CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Printing plant and office, Chicago, Ill., Chicago Daily News having sketches made, $20,000,000.

Medical Center, Pittsburgh, Pa., Presbyterian Hospital Assn. having plans prepared, $6,000,000.

Railroads, Ontario, Temiskaming & Northern Ontario R.R. plans extending railroad, $5,500,000.

Apartment hotel, Boston, Mass., D. Steon having sketches made, $4,000,000.

Paving, Ontario, Ontario Dept. of Highways soon takes bids, $3,750,000.

Roads, Portland, Ore., Commissioners Multnomah Co. making plans, $3,200,000.

Sewage disposal plant, Dallas, Tex., made plans, $3,000,000.

Hydro-electric plant, Fairfax, Ark., State Drainage Board having preliminary surveys made, $3,000,000.

Apartment hotel, Toronto, Ont., Chateau Benvenuto, Ltd., having plans prepared, $3,000,000.

Sewers, Chicago, Ill., Sanitary Dist. of Chicago making plans, $3,000,000.

Roads, Texas, Beaumont-Jefferson Co. making surveys and election in March, $2,000,000.

High School, Far Rockaway, N. Y., Bd. Educ. soon takes bids, $1,500,000.

Apartment hotel, Pittsburgh, Pa., Webster Hall Corp. having plans prepared, $1,500,000.

Power and Heating plant, Hammond, Ind., Harter Industrial Dist. purchased site and had plans prepared, $1,500,000.

Club, Chicago, Ill., Allerton Club having plans prepared, $1,500,000.

Office, Springfield, Ill., City and Sangamon Co. having sketches made, $1,500,000.

Apartment, New York, N. Y., Sis Bros., Inc. having plans prepared, $1,400,000.

Hospital, Rochester, N. Y., Dept. Mental Hygiene having plans prepared, $1,340,000.

Contracts

Hotel, Milwaukee, Wis., Schroeder Hotel Co. at W. W. Deflin, Inc., $3,000,000.

Office and stores, Chicago, Ill., H. Paschen to Paschen Bros., $2,000,000.

Office, St. Louis, Mo., E. M. Tucker, archt. structural steel to American Bridge Co., total est., $2,000,000.

Substructure for pumping plant, Chicago, Ill., Sanitary Dist. of Chicago to T. J. Forschner Contg. Co., $1,631,095.

Hospital, Flint, Mich., Hurley Hospital to National Contg. Co., $1,600,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Feb. 11 Orchard Park, N. Y. ..... Jan. 27
Feb. 12 Brighton (Ind. sta. Rochester), N. Y. ..... Feb. 10
Feb. 14 Princeton, Ky. ..... Feb. 3
Feb. 15 Chester, Pa. ..... Feb. 10
Adv. Feb. 10.
Feb. 16 Cleveland, O. ..... Feb. 10
Feb. 16 High Point, N. C. ..... Feb. 10
Feb. 17 Pittsburgh, Pa. ..... Feb. 3
Feb. 17 Fredericksburg, Va. ..... Jan. 27
Feb. 17 Springfield, Mass. ..... Feb. 3
Feb. 17 Phila., Pa. ..... Feb. 10
Feb. 18 Brooklyn, N. Y. ..... Feb. 10
Feb. 18 Long Island City, N. Y. ... Feb. 10

Sewers

Feb. 14 Toronto, Ont. ..... Feb. 10
Feb. 15 Rushville, Ind. ..... Jan. 13
Feb. 15 Bloomfield, Ind. ..... Jan. 20
Feb. 15 Marksville, La. ..... Feb. 3
Feb. 15 Chicago, Ill. ..... Feb. 10
Feb. 16 Sturgis, Ky. ..... Feb. 3
Feb. 16 Cleveland, O. ..... Feb. 10
Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 21 Luling, Tex. ..... Jan. 27
Feb. 21 Huntington, Tenn. ..... Jan. 27
Feb. 21 Fort Lauderdale, Fla. .... Feb. 3
Mar. 9 Fostoria, O. ..... Feb. 10
Adv. Feb. 10.
Mar. 1 Hunter, N. Y. ..... Feb. 10
Adv. Feb. 3 and 10.
Apr. 1 Kenmore, O. ..... Feb. 3

Waste Disposal

Feb. 14 New York, N. Y. ..... Jan. 20
Feb. 28 Highlands, N. J. ..... Feb. 3
Adv. Feb. 3 and 10.
Mar. 7 Bloomfield, N. J. ..... Feb. 10
Adv. Feb. 10.

Bridges

Feb. 14 Peekskill, N. Y. ..... Jan. 27
Adv. Jan. 27 to Feb. 10.
Feb. 15 Hoquiam, Wash. ..... Feb. 3
Feb. 16 Pennsylvania ..... Feb. 10
Feb. 16 Phila., Pa. ..... Feb. 10
Feb. 17 Kentucky ..... Jan. 20
Feb. 17 Pittsburgh, Pa. ..... Feb. 3
Feb. 21 New York ..... Feb. 3
Adv. Feb. 3 and 10.
Feb. 28 Arkansas ..... Feb. 3
Feb. 28 Phoenixville, Pa. ..... Feb. 10
Adv. Feb. 3 and 10.
Mar. 9 Poughkeepsie, N. Y. ..... Jan. 27
Adv. Jan. 27 to Feb. 10.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Feb. 15 Baton Rouge, La. ..... Jan. 27
Feb. 15 St. Gideon, Que. ..... Feb. 3
Feb. 17 Cap de la Madeleine, Que. Feb. 3
Feb. 17 Deal, N. J. ..... Feb. 3
Feb. 17 Santa Barbara, Calif. .... Jan. 27
Feb. 17 Brownsville, Tex. ..... Feb. 10
Feb. 19 Bellefontaine, O. ..... Jan. 27
Feb. 25 Crookston, Minn. ..... Feb. 3

Streets and Roads

Feb. 11 Pittsburgh, Pa. ..... Feb. 3
Feb. 11 La Porte, Ind. ..... Feb. 3
Feb. 11 Pittsburgh, Pa. ..... Feb. 10
Feb. 14 Wewoka, Okla. ..... Feb. 10
Feb. 15 Wildwood, N. J. ..... Feb. 10
Feb. 15 Clarence, Ia. ..... Feb. 3
Feb. 15 Newton, Ia. ..... Feb. 3
Feb. 15 Birmingham, Ala. ..... Jan. 20
Feb. 15 Greencastle, Ind. ..... Jan. 20
Feb. 15 St. Louis, Mo. ..... Jan. 20
Feb. 15 Washington ..... Feb. 3
Feb. 15 Wisconsin ..... Feb. 3
Feb. 15 Emerson, Neb. ..... Feb. 3
Feb. 15 Newton, Ia. ..... Feb. 10
Feb. 15 Omaha, Neb. ..... Feb. 10
Feb. 16 Thomasville, Ga. ..... Feb. 3
Feb. 16 Pittsburgh, Pa. ..... Feb. 3
Feb. 16 Burlington, Ia. ..... Feb. 3
Feb. 16 Cleveland, O. ..... Feb. 10
Feb. 16 Brooklyn, N. Y. ..... Feb. 10
Feb. 16 St. George, N. Y. ..... Feb. 10
Feb. 17 Virginia ..... Feb. 3
Feb. 17 Little Rock, Ark. ..... Feb. 10
Feb. 18 Kentucky ..... Dec. 16
Feb. 18 Two Rivers, Wis. ..... Feb. 3
Feb. 18 Council Grove, Ia. ..... Feb. 10
Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 19 Abbeville, La. ..... Feb. 10
Feb. 20 Birmingham, Ala. ..... Jan. 27
Feb. 21 Luling, Tex. ..... Jan. 27
Feb. 21 McKenzie, Tenn. ..... Jan. 27
Feb. 23 St. Louis, Mo. ..... Feb. 3
Feb. 23 Waukon, Ia. ..... Feb. 10
Feb. 24 Louisiana ..... Jan. 27
Feb. 24 Kenosha, Wis. ..... Jan. 13
Feb. 24 Plant City, Fla. ..... Feb. 10
Feb. 24 Florida ..... Feb. 10
Feb. 25 Indianapolis, Ind. ..... Feb. 10
Feb. 28 Northport, Ala. ..... Feb. 3
Feb. 28 Houston, Tex. ..... Feb. 3
Adv. Feb. 3 and 10.
Mar. 1 Alabama City, Ala. ..... Jan. 27
Mar. 15 Duluth, Minn. ..... Feb. 3
Mar. 15 Minot, N. D. ..... Jan. 13
Apr. 15 Canton, O. ..... Feb. 3

Buildings—Commercial

Feb. 11 Boston, Mass. ..... Jan. 27
Feb. 14 Kenosha, Wis. ..... Feb. 3
Feb. 14 Providence, R. I. ..... Feb. 10
Feb. 15 Ames, Ia. ..... Jan. 27
Feb. 15 Uhrichsville, O. ..... Feb. 3
Feb. 16 New York, N. Y. ..... Feb. 3
Feb. 16 Manor, Pa. ..... Feb. 10
Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 24 Hartford, Conn. ..... Feb. 10
Feb. 25 Davenport, Ia. ..... Jan. 27
Feb. 28 South Bend, Ind. ..... Feb. 10
Mar. 7 Crown Point, Ind. ..... Feb. 10
Mar. 15 Rochester, N. Y. ..... Feb. 3
Mar. 15 Dallas, Tex. ..... Feb. 10
Apr. 1 Wilmington, Del. ..... Jan. 27
Apr. 1 Canton, O. ..... Jan. 20
May 1 La Junta, Colo. ..... Feb. 3

Buildings—Industrial

Feb. 11 Westport, Conn. ..... Feb. 3
Feb. 15 Houston, Tex. ..... Feb. 3
Feb. 15 Hagerstown, Md. ..... Feb. 10
Feb. 19 Crete, Neb. ..... Feb. 10

Buildings—Educational, Religious

Feb. 11 Phila., Pa. ..... Feb. 10
Feb. 12 Cudahy, Wis. ..... Jan. 27
Feb. 14 Madison, Wis. ..... Jan. 27
Feb. 14 Bayonne, N. J. ..... Feb. 3
Feb. 15 Horseheads, N. Y. ..... Feb. 3
Feb. 16 Los Angeles, Calif. ..... Feb. 10
Feb. 17 Richmond, Ky. ..... Feb. 3
Feb. 18 Detroit, Mich. ..... Feb. 10
Feb. 21 Hudson, O. ..... Feb. 10
Feb. 21 Amarillo, Tex. ..... Feb. 10
Feb. 23 New York, N. Y. ..... Jan. 27
Feb. 24 Whitewater, Wis. ..... Jan. 27
Feb. 25 Akron, O. ..... Jan. 27
Mar. 3 Brooklyn, N. Y. ..... Feb. 10
Mar. 15 Louisville, Ky. ..... Feb. 3
Mar. 15 Zanesville, O. ..... Feb. 3
Apr. 1 Virginia, Minn. ..... Feb. 3
May 1 Monroe, Mich. ..... Jan. 13

Federal Government Work

Feb. 11 Dredge, etc.—Wash., D. C. Jan. 20
Feb. 14 Post Office and Courthouse—Syracuse, N. Y. ..... Jan. 13
Feb. 14 Equipment—Syracuse, N. Y. ..... Jan. 20
Feb. 17 Tow Boat Equipment—Wash., D. C. ..... Feb. 10
Feb. 18 Piping — Wichita Falls, Tex. ..... Jan. 27
Feb. 21 Post Office—Sand Point, Idaho ..... Feb. 3
Feb. 23 Radio Masts—Tatoosh, Wash. ..... Jan. 27
Feb. 23 Post Office—Yonkers, N. Y. Jan. 27
Feb. 23 Floor—Anacostia (sta. Wash.), D. C. ..... Feb. 3
Feb. 23 Elevator Enclosure Doors—Wash., D. C. ..... Feb. 3
Feb. 23 Garage, etc.—Jupiter, Fla. Feb. 3
Feb. 23 Boat House and Wharf—Jupiter, Fla. ..... Feb. 3
Feb. 25 Post Office—Lewistown, Pa. ..... Feb. 3
Feb. 25 Removing Wreck—Buzzards Bay, Mass. ..... Feb. 10
Adv. Feb. 10.

See proposal advertising on page 151

Constr. News page 81

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Good Pipe Joints

Laying 36-in. c. i. Water Mains with Leadite Joints

Has it occurred to you why so many water works men are using Leadite for making joints in all sizes of cast iron water mains?

There are many sound reasons.

The most important reason is that experience has proven Leadite joints are good joints and improve with age.

The other reasons relate to saving in the cost of material and labor.

Leadite facilitates rapid completion of the work.

Leadite saves money from every angle of pipe laying.

Anyone can make Leadite joints; Leadite is very easy and simple to handle.

Yarn the joint, pour it full of molten Leadite, and the joint is finished.

If you have never tried Leadite, do not pass up a good thing without investigating it.

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	*See Eng. News-Record*	
Feb. 26	Dynamometer Building—Dayton, O. Adv. Feb. 3 and 10.	Feb. 3
Feb. 28	Heating System—Galveston, Tex.	Feb. 3
Feb. 28	Post Office—Athens, Tenn.	Feb. 3
Feb. 28	Heating System—Galveston, Tex.	Feb. 10
Mar. 1	Hospital—Bedford, Mass. Adv. Feb. 3 and 10.	Jan. 27
Mar. 2	Elevators—Mare Island, Calif.	Jan. 27
Mar. 3	Storehouse—Boston, Mass.	Feb. 3
Mar. 4	Pipe Line—Wash., D. C. Adv. Feb. 10.	Feb. 10
Mar. 9	Lock—Pittsburgh, Pa. Adv. Feb. 10.	Feb. 10
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30
Mar. 10	Dredging—Albany, N. Y. Adv. Feb. 10.	Feb. 10
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27

Unclassified

Feb. 11	Bulkhead—New York, N. Y.	Feb. 3
Feb. 14	Electrical Equipment—New York, N. Y.	Jan. 20
Feb. 14	Pavilion—Oil City, Pa.	Feb. 10

Bids close	*See Eng. News-Record*	
Feb. 15	Turbo Generator, etc.—Hartford, Wis.	Feb. 3
Feb. 15	Jail Work, Kitchen Equipment and Electric Light Fixtures—Miami, Fla.	Feb. 3
Feb. 15	Fire Alarm System—New York, N. Y.	Feb. 10
Feb. 15	Comfort Station—New York, N. Y.	Feb. 10
Feb. 16	Fire House, etc.—Helmuth, N. Y.	Jan. 27
Feb. 17	Condensation Pumps — Indianapolis, Ind.	Feb. 10
Feb. 18	Station Finish—Brooklyn, N. Y.	Feb. 10
Feb. 21	Signal Towers, etc.—Brooklyn, N. Y.	Feb. 10
Feb. 22	River Terminal—Dubuque, Ia.	Feb. 3
Feb. 23	Causeway—Miami, Fla.	Feb. 10
Feb. 23	Tunnel—Detroit, Mich.	Jan. 20
Mar. 1	Lighting System—Pomona, Calif.	Feb. 10
Mar. 2	Refrigeration Equipment — Creedmoor (mail Floral Park), N. Y. Adv. Feb. 3 and 10.	Feb. 3

Materials

Feb. 11	Ties—Brooklyn, N. Y.	Feb. 3
Feb. 11	Pipe—Columbia, S. C.	Feb. 3

Bids close	*See Eng. News-Record*	
Feb. 14	Gravel—Chicago, Ill.	Feb. 10
Feb. 14	Creosoted Blocks—Chicago, Ill.	Feb. 10
Feb. 15	Road Supplies—Ontario	Feb. 3
Feb. 15	Condensers, Boilers, Stokers, etc.—Hagerstown, Md.	Feb. 3
Feb. 15	Portland Cement—Minnesota	Feb. 3
Feb. 15	Fabricated Structural Steel—Phila., Pa.	Feb. 10
Feb. 15	Paving Material—St. Paul, Minn.	Feb. 10
Feb. 15	Reinforcing Steel—Adel, Ia.	Feb. 10
Feb. 16	Paving Materials—Pittsburgh, Pa.	Feb. 3
Feb. 16	Crushed Stone—Williamstown, Ont.	Jan. 27
Feb. 16	Paving Brick—Detroit, Mich.	Feb. 10
Feb. 17	Cedar Ties—Detroit, Mich.	Feb. 10
Feb. 18	Culvert Pipe, D.—Denison, Ia.	Feb. 10
Feb. 18	Stone, Oil, etc.—Cleveland, O.	Feb. 10
Feb. 18	Cable and Lighting Standards—Cleveland, O.	Feb. 10
Feb. 19	Cedar Poles—Detroit, Mich.	Feb. 10
Mar. 1	Tar, Asphalt, etc.—Iowa.	Feb. 3

News of the Week

Waterworks

Proposed Work

Va., Ft. Myer Heights — Arlington Co. soon takes bids water supply mains and distribution system. $750,000. A. E. Phillips, 2525 Pennsylvania Ave., Wash., D. C., ch. engr.

Va., Waynesboro — Town Council plans new water supply plant in connection with proposed purchase Baker Springs, increasing present supply to 10 m.g. daily. $22,500.

W. Va., Cedar Grove—Election Feb. 24, $30,000 bonds, waterworks incl. reservoir, pumps, pipe lines, etc. W. E. Ramsey, recdr.

Fla., Tallahassee—See "Sewers."

La., Monroe — Voted $600,000 bonds, complete waterworks and distribution system. W. T. Neel, City Hall, engr. Noted Dec. 16.

O., Cincinnati — Hamilton Co. making plans Water Supply Line 49, Dists., 68,687 6- to 10-in. c.i. pipe $225,952; and Water Supply Line 50, Dist. 7, 14,832 ft. 6 and 8 in. pipe, $31,172. L. C. Boyatt, Court House, engr.

Ill., Springfield — City Comn. authorized completion of plans improving water pressures, incl. several mi. large feeder mains, 1 m.g. elevated storage reservoir, etc. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Minn., Hibbing—Plans between 2 m.g. and 3 m.g. reservoir, and drilling wells. Engineer not announced. J. O. Rivall, city recdr.

Kan., Randolph—Takes bids about Feb. 15, new waterworks. $30,000. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Oct. 7.

Mo., Elsberry—Making preliminary plans complete waterworks and distribution system. Edward Flad & Co., 916 Chemical Bldg., St. Louis, engrs.

Mo., Troy — Making preliminary plans complete waterworks and distribution system; also sewerage system. Edward Flad & Co., 916 Chemical Bldg., St. Louis, engrs.

Tex., Columbus — Election soon $35,000 (tentative) bonds, waterworks, distribution system, etc. Address Mayor.

Wash., Centralia — Soon takes bids improving 5,300,000 gal. reservoir, damaged by slide, last summer. $20,000. N. W. Avery, city engr.

Wash., Seattle—L. M. Grant, supt. City Water Comn. plans new 24 in. main along West Marginal Way and West Michigan St.

Ont., Hamilton—City Council plans electrically operated pumps in connection with waterworks improvements. $40,000. W. McFaul, City Hall, engr.

Ont., Thorold—Utilities Comn. plans installing mechanical water filters.

Ont., Toronto — Plans waterworks distribution building in St. Andrews Market Dist. $250,000. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans 12 in. and up high pressure mains, etc. in Sherbourne St. Dist. $198,027. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans 12 in. c.i. mains in Silverthorn Ave. from St. Clair to Rountree Aves. $20,229. R. C. Harris, City Hall, engr.

B. C., North Vancouver—Voted $53,000 bonds completing Rice Lake Reservoir and connections. C. S. Hanes, City Hall, engr.

Bids Desired

N. Y., Brighton (Ind. sta. Rochester)—Feb. 12, by Bd. Water Comrs. Monroe Ave. Water Dist., at office W. S. Lozier, Inc., engrs., 10 Gibbs St., Rochester, watermains and appurtenances, here.

N. Y., Brooklyn — Feb. 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Surf Ave., here.

N. Y., Long Island City—Feb. 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 39th Pl., 60th Lane, Cracow Court, Hebberd, 41st, 77th and 89th Aves., 162nd and 169th Sts., etc., here.

Pa., Chester—Feb. 15, at office G. J. Hunter, supt. Streets & Pub. Impvts., c.i. pipe and specials, Contr. 5. Barker & Wheeler, 36 State St., Albany, N. Y., consult. engrs.; adv. E. N.-R. Feb. 10.

Pa., Phila.—Feb. 17, by Dept. Pub. Wks., Bureau of Water, boiler setting and pipe work, Contr. 352, and transformers, disconnecting switches, etc., Contr. 366, both Queen Lane Pumping Station; turbo-centrifugal boiler feed pump, Contr. 367, and 50,000 lb. pig lead, Contr. 368, Belmont Pumping Station; generators and electric pump, Contr. 363, rein.-con. chimney, etc., Contr. 370, Lardners Pumping Station; rip-rap in Torresdale Pumping Station, sedimentation basin, Contr. 365, pipe, etc., for Chestnut Hill, Station, Contr. 371; and pipe line in West Phila., Contr. 364. G. H. Biles, dir.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. C., High Point—Feb. 16, by H. A. Moffitt, mayor, and City Council, clearing, etc., 250 acre site for reservoir. W. C. Olsen, Masonic Temple Bldg., Raleigh, engr.

O., Cleveland — Feb. 16, by Bd. Comrs. Cuyahoga Co., 6,000 ft. 6 and 8 in. c.i. mains in Stockbridge and Eldamere Drs. $15,000. F. Williams, Court House, engr.

Ill., Chicago—See "Sewers."

Bids Received

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Feb. 1, mains in Avenue C, Lenox and 2nd Aves., etc., from Beaver Eng. & Contg. Co., 51 Chamber St., $84,508. Noted Jan. 27.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Feb. 1, mains in Appleby, Bennett, Cannon, Cedar Sts., etc., here, from G. V. Cornell, 39 Egbert Pl., $26,421. Noted Jan. 27.

Calif., San Bernardino—From Crane Co., 321 East 3rd St., Los Angeles, 10,000 ft. 3 in. standard black lap-welded wrought steel pipe, threaded and coupled, at $34.96 per 100 ft.; from Grinnell Co. of the Pacific, 520 Mateo St., Los Angeles, 10,000 ft. 4 in. standard black lap-welded steel pipe $48.77 per 100 ft., 40,000 ft. ¾ in. standard galvanized lap-welded steel pipe $5.09 per ft., and 18,000 ft. 8 in. lap-welded wrought steel, bell and spigot, lead-joint pipe $0.88 per ft.

Contracts Awarded

Mass., Boston—Supply Dept., 100,000 lb. c.i. flanged frames, to Franklin Machine Co., 44 Cross St., Providence, R. I., $0.0325 per lb.; also 400,000 lb. c.i. frames and covers, to E. L. LeBaron Fdry. Co., Brockton, $0.0265 per lb. Noted Jan. 27.

N. J., Hawthorne—Boro Comrs., School 1, Lafayette Ave., buildings for pumping station, to R. L. Clark, 960 East 26th St., Paterson; pump and oil engine, to Turbine Equipment Co., 30 Church St., New York City; deep well turbine and motor to R. B. Carter Co., 126 Chambers St., New York City. Engrs. est. $30,000.

Ill., Olney — Waterworks improvements, incl. 1½ m.g. filtration plant, 150,000 gal. tank on tower, 13,760 ft. 4- to 12-in. c.i. mains, relaying 5,700 ft. 10 in. c.i. mains, two 750 g.p.m. duel driven centrifugal pumps, two 500 and one 3,000 g.p.m. motor driven pumps, two concrete dams, concrete intake, etc., to T. Doty, Albion, $164,000. Engrs. est. $168,000. Noted Jan. 6.

Minn., St. Paul — A. E. Eggart, city purch. agt., 2,640 ft. 16 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis, $6,875; 47,440 ft. 6- to 12-in., to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, approximately $40,000; and 210 gate valves in 4 sizes, to South Park Fdry. & Mchy. Co., 209 Essex Bldg., at $9, $11.50, $17.50 and $28.50 each respectively. Noted Jan. 6 and 20.

Mo., St. Louis—Water Dept., J. Pritchard, dir., City Hall, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., 20 tons 3 in. c.i. pipe at $50.58 per ton, 500 tons 8 in. $40.83, 1,300 tons 12 in. $40.83, and 1,250 tons 20 in. $40.33. Noted Jan. 20.

Calif., San Diego—W. H. Cameron, city purch. agt., multiple type Sutherland Dam, to Edwards, Wildey & Dixon, Union Bldg., $896,742. Noted Feb. 3.

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Faster, Safer Masonry

OFFICE BUILDING, hotel, apartment—whatever your project—earlier completion can be realized when BRIXMENT is used for mortar .... BRIXMENT saves the time of slaking and soaking, enables the masons to commence work at a moment's notice and provides the architect with the ideal combination of speed *plus* unquestioned strength in every part of the wall .... *More well-known architects are this year specifying BRIXMENT exclusively than ever before.* The BRIXMENT handbook tells the story—send for it. Louisville Cement Co., *Incorporated,* General Offices: Louisville, Ky.

Cement Manufacturers for Nearly a Century

BRIXMENT *for Perfect Mortar*

Sewers

Proposed Work

Fla., **Tallahassee**—Voted $50,000 bonds, storm drainage; $40,000 bonds, sewerage extension; $79,000 bonds, waterworks extension; $36,000 bonds, gas plant extension; $50,000 bonds, incinerator; and $20,000 bonds, paving various streets. B. H. Bridges, city aud.

O., **Akron**—W. F. Peters, dir. Pub. Serv., takes bids in spring, 7,530 ft. 8- to 15-in. vitr. clay sewer, etc. in Margaret Park Dist. (Summit Lake Blvd., et al). $75,400. J. E. Root, Municipal Bldg., engr.

Mich., **Crystal Falls**—City, J. H. Sanders, mgr., plans sewage disposal plant. $30,000. Hoad, Decker, Shoecraft & Drury, 300 Amer. Savings Bank Bldg., Ann Arbor, consult. engrs.

Ill., **Alton**—Made plans 11,309 ft. 8- to 27-in. vitr. clay sewers, etc. in Turner Tract Sewer Dist. $30,000. J. E. Schwaab, City Hall, engr.

Ill., **Chicago**—Sanitary Dist. of Chicago, 910 South Michigan Ave., making plans North Side Intercepting Sewer, various sizes, incl. ¼ mi. 6½ ft. concrete, $900,000. E. J. Kelley, 910 South Michigan Ave., engr.

Ill., **Chicago**—Sanitary Dist. of Chicago, 910 South Michigan Ave., soon lets contract superstructure 2 and 4 story, brick and stone pumping plant, tanks, grit chambers, conduits, etc.; also four 13,500 gal. sewerage return pumps, nine 1,500 sludge ejectors and appurtenances, heating plant equipment, fifteen 24- to 48-in. large motor operated gate valves, etc., for West Side Sewage Treatment Works.

Ill., **Chicago**—Sanitary Dist. of Chicago, 910 South Michigan Ave., making plans 9 mi. 8 in. to 8 ft. vitr. tile and concrete sewers in various streets, in Western Springs. $3,000,000. E. J. Kelley, 910 South Michigan Ave., engrs.

Ill., **East St. Louis** — District forming, incl. portion Northeast East St. Louis, Washington Park and Fairmont City, making preliminary plans sewerage system. To exceed $25,000. Engineer not announced. G. A. Crow and L. Bernreuter, circuit judges, c/o County Court Belleville, temporary comrs.

Ill., **Edwardsville**—Takes bids in spring or summer, sewage disposal plant and auxiliary equipment. $55,000. Sheppard & Morgan, Bank of Edwardsville Bldg., engrs. Noted July 22.

Ia., **Burlington**—Made plans and surveys new sewer district, incl. outfall sewers and laterals. $55,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

S. D., **Sioux Falls**—John Morrell & Co. making plans clarifier and appurtenances. $25,000. A. A. Chenoweth, 202 Paulton Bldg., engr.

Ark., **Conway**—Takes bids in spring or summer sanitary sewerage system and disposal plant in Sewer Dist. 2. $130,000. E. Hale, Natl. Bank Bldg., Pine Bluff, engr.

Tex., **Columbus**—Election soon $40,000 (tentative) bonds, sewers in various streets. Address Mayor.

Tex., **Corpus Christi**—City and property owners making preliminary plans 860 ft. storm sewers on account 860 ft. wall to be built at Bay Front. Most of expense to be borne by adjoining property owners. $30,000. Address P. H. Lovenskiold, mayor.

Tex., **Dallas** — Made plans enlarging present sewage disposal plant to eliminate present river pollution. $3,000,000. E. A. Kingsley, city engr.

Okla., **Tulsa**—City takes bids after Feb. 11, 6,110 ft. 36- to 60-in. segmental block sewers in Project 9, East Lawn Storm Sewer Dist. $30,029. Former bids rejected. C. Schultz, City Hall, engr.

Calif., **Long Beach**—Plans approximately 25 mi. sewers in western section of city. R. D. Van Alstine, city engr.

Calif., **Los Angeles**—Los Angeles Co. returned bids unopened approximately 8 mi. sewers and 0.45 mi. watermains in 102nd St., etc., Co. Impvt. 454. To exceed $95,000. Will readvertise. A. K. Warren, Law Bldg., engr.

Ont., **Toronto**—Making plans 8 in. vitr. tile concrete and brick sewers throughout city. $1,044,885. R. C. Harris, City Hall, engr.

Bids Desired

N. Y., **Hunter**—Mar. 1, by Bd. Water Supply, Municipal Bldg., New York City, Tannersville sewerage system, here, Contr. 216. G. J. Gillespie, pres.; adv. E. N.-R. Feb. 10. Noted Dec. 16 under "Tannersville."

N. Y., **New York**—Feb. 18, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Bartholdi and East 237th Sts., Provost and Hollywood Aves.

O., **Cleveland**—Feb. 16, by Bd. Comrs. Cuyahoga Co., constructing 4,500 ft. vitr. clay sewer in Stockbridge and Eldamere Drvs., Impvt. 514 S. & W.; and 9,700 ft. Spencer Rd. and vicinity. To exceed $50,000. F. Williams, Court House, engr.

O., **Fostoria**—Mar. 9, by City, E. A. Shuman, dir. Pub. Serv., constructing improvements to sewage disposal plant. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Feb. 10.

Ill., **Chicago** — Feb. 15, at office Board Local Impvts., Room 207, City Hall, sewer drains in 45 various streets and avenues; and water service pipes in 65 various streets and avenues. F. X. Rydzewski, vice pres.

Calif., **Los Angeles** — Feb. 9, by A. S. Soule, secy. Los Angeles Co. Sanitation Dist. 2, activated sludge treatment plant with appurtenant structures. A. K. Warren, Law Bldg., engr. Noted Feb. 3.

Ont., **Toronto**—Feb. 14, by F. B. Goedike, engr., 40 Jarvis St., 8 in. and up vitr. tile sewers in Lavender Rd. and 5 avenues, for York Twp. $35,000.

Bids Received

Calif., **Los Angeles** — Bd. Pub. Wks., storm drain in La Brea Ave. between Romaine St. and Lexington Ave., from W. F. Peck, 1120 Las Palmas St., approximately $362,985.

Contracts Awarded

N. Y., **St. George** — J. A. Lynch, pres. Richmond Boro, Boro Hall, sanitary sewer in Oakley Pl. and Liberty Ave., to J. Johnson Sons, 455 Bway., West New Brighton, $5,588 and $18,409 respectively. Noted Feb. 3.

Pa., **Phila.**—Dept. Pub. Wks., Bureau of Engineering, to Mazzola & Morano, 739 South 7th St., main sewer in Duncan St. $28,768, and branch sewer in Randolph St. $8,045; to J. and R. Lombardi, Lincoln Bldg., main sewer in Erie Ave. $73,813, and Mansfield St. $129,405; to A. Di Sandro & Son, 6400 North 5th St., branch sewers in Alcott St. $5,545, and Sanger St. $4,078, to D. Delise and J. Nicoletti, 4842 Leithgow St., Algon St. $14,338, Ancker St. $3,510, and Granger St. $4,845, to Vattieri & Pontarelli, 523 Rising Sun Ave., Belgrade St. $2,819, Sanger St. $7,960, 21st St. $12,881, and Wyncote St. $10,174, to H. Pezagno, 907 South 13th St., Comac St. $2,714, and Harley St. $4,837, to J. Moss, 1652 Wakeling St., Carver St. $2,263, to F. R. Curtis, State and Unruh Rds., Comly St. $1,853, to Perna Eng. & Constr. Co., 739 South 8th St., Dunlap St. $14,526, to Garson & Garson, 1243 North 58th St., Frazier St. $5,338, to Sabatini & Vallone, 1720 South Chadwick St., Gibson St. $3,435, and 65th St. $4,054, to Leva Bros., 104 West Gale St., Haddington St. $12,946, and Jefferson St. $14,026, to F. T. Buckins, Jr., 4050 Kensington Ave., Janney St. $4,872, and Tulip St. $4,912, to A. Bonitabibus, 300 West Mt. Pleasant St. (Nippon) East Allen Lane $10,077, and Wadsworth St. $10,853, to F. Di Pasquale, 1215 South 7th St., Oakmont St. $18,000, to J. J. McHugh, 1617 Race St., Fike St. $4,101, to A. Mattia, 310 North 65th St., Rhawn St. $3,532, to A. Franzi, 513 High St., Roslyn St. $846, and to E. F. Bennis; 825 East Washington Lane, Smedley St. $5,914. Grand total $435,280. Noted Feb. 3.

Miss., **Meridian**—For 6,185 ft. 30 and 36 in. sewers from present outlet of Sowashee Creek to Southeast city limits, thence westerly, to Ferris & Anderson, Knoxville, $29,200. Noted Sept. 16.

Ill., **Chicago**—Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure for pumping plant at West Side Sewage Treatment Works, to T. J. Forschner Contg. Co., 3153 Bryn Mawr Ave., $1,631,095. Noted Dec. 16.

Waste Disposal

Proposed Work

Fla., **Tallahassee**—See "Sewers."

Ont., **Toronto**—Plans concrete, brick and steel garbage and refuse incinerator, incl. furnaces, chimney and approaches, in North Toronto, $25,000. R. C. Harris, City Hall, engr.

Bids Desired

N. J., **Bloomfield**—Mar. 7, by Town Council, J. C. Johnson, clk., Essex Bldg., Washington St., 44 x 112 ft. double unit incinerator plant. F. B. Dwyer, town engr.; adv. E. N.-R. Feb. 10.

Bridges

Proposed Work

N. J., **Trenton**—State plans rebuilding and doubling capacity Delaware River Bridge. $325,000. L. Focht, State Bldg., engr.

Fla., **Pensacola** — Comrs. Escambia Co., c/o L. Bell, clk., plans rein.-con. bridge over Bayou Grande. $175,000. Winston Wheat Co., engr.

O., **Columbus**—See "Unclassified."

O., **Ivorydale** — Hamilton Co., Court House, Cincinnati, plans 172 ft. steel truss bridge on old substructure, here. $48,000. E. A. Gast, Court House, Cincinnati, engr.

O., **Springfield**—Making plans new concrete bridge over Plum Creek. $50,000. R. W. Flack, city mgr.

Ind., **Indianapolis** — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ind., **Indianapolis**—Made plans repairing north pier concrete-arch bridge. $56,000. C. C. Oberlies, City Hall, engr.

Ind., **Indianapolis**—Made plans new pier and new laminated creosoted wood block floor on South Harding St. Bridge over White River. $26,648. C. C. Oberleas, City Hall, engr.

Kan., **Ft. Scott**—Bourbon Co. soon takes bids 110 ft. span concrete rainbow arch bridge with 45 ft. girder approach over Osage River, on County Project 5-C. $25,000. H. McCurley, Court House, engr.

Tex., **Carrizo Springs**—See "Streets and Roads."

Tex., **Conroe**—Montgomery Co., c/o W. H. Lee, judge, making plans 200 ft. treated timber pile trestle bridge across Spring Creek. $30,000. J. R. Spiller, Conroe, engr.

Tex., **Lubbock**—See "Streets and Roads."

Tex., **Olney**—See "Streets and Roads."

Tex., **Panhandle** — See "Streets and Roads."

Tex., **San Angelo** — See "Streets and Roads."

Tex., **San Antonio** — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Tex., **Wharton**—See "Stretes and Roads."

Okla., **Cookson**—Cookson Twp. of Delaware Co. voted $35,000 bonds, 3 span 360 ft. steel truss bridge on concrete piers over Illinois River, Cherokee Co., here. Work will be done under supervision State Hy. Dept., Oklahoma City, J. M. Page, highway engr.

Okla., **Westville**—State Hy. Dept., Oklahoma City, made surveys 1 span 46 ft. I-beam and concrete overhead crossing over St. Louis & San Francisco R.R. tracks, Adair Co., near here. $28,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Calif., **Los Angeles**—Plans viaducts, 6th St and Whittier Blvd. and 4th St., crossing river. To exceed $25,000. J. C. Shaw, city engr.

Que., **Quebec**—Voted $25,000, 1 span 100 ft. concrete and steel bridge across River Lairet. J. A. Tremblay, Quebec, engr.

Bids Desired

Pennsylvania—Feb. 16, by Fayette Co. (Uniontown) and Westmoreland Co. (Greensburg), at Court House, Greensburg, two 50 ft. span rein.-con. bridge over Jacobs Creek, at Keisters Mills.

Pa., **Phila.**—Feb. 16, by Dept. Pub. Wks., Bureau of Engineering, Bridge Div., 67 ft. span concrete and steel bridge, 100 ft., over North Pennsylvania R.R. tracks, Hunting Park Ave. $150,000.

Pa., **Phoenixville**—Feb. 28, by J. Pearson, controller Chester Co., West Chester, approximately 600 ft. rein.-con. bridge over Schuylkill River, near here adv. E. N.-R. Feb. 10.

La., **Abbeville**—See "Streets and Roads."

Calif., **Santa Ana**—Supervs. Orange Co., taking bids two rein.-con. bridges consisting of five 54 ft. spans and one rein.-con. pile trestle type of six 33 ft. and 4 in. spans over San Juan Creek, on Coast Rd. N. H. Neff, Santa Ana, co. rd. comr.

Contracts Awarded

N. J., **Jersey City**—G. J. Ray, ch. engr. Delaware, Lackawanna & Western R.R., Hoboken Terminal, Hoboken, 1,500 ft. (with approaches) 3 track bridge, 60 ft. with 200 ft. draw span over Hackensack River, adjacent and parallel to present bridge, here, approaches, to H. F. Curtis, 1270 Bway., New York City, N. Y.; steel, to Amer. Bridge Co., 30 Church St., New York City, N. Y.; and foundation, to Foundation Co., 120 Liberty St., New York City, N. Y. Engrs. est. $3,000,000. Noted Jan. 6.

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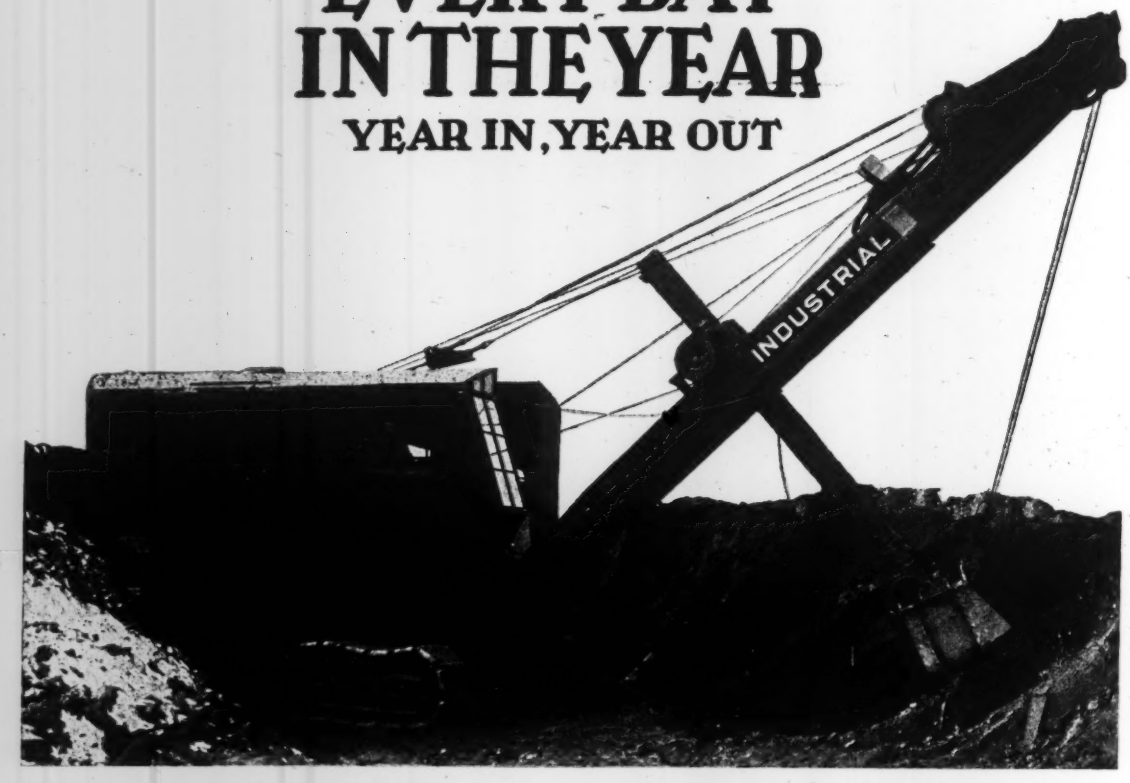
EVERY DAY IN THE YEAR

YEAR IN, YEAR OUT



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INDUSTRIAL WORKS, BAY CITY, MICHIGAN

Bridges (Continued)

Florida—State Road Dept., Tallahassee, (P. means Project). 108 ft. rein.-con. bridge over Turkey Creek, P. 40-B, Brevard Co., to F. M. Stuart & Co., Inc., Jacksonville, $36,500; 131 ft. P. 640-B, Martin Co., to Royce Kershow, Inc., St. Augustine, $29,274; 1,400 lin.ft. across Black Creek, P. 665, and 1,600 ft. on P. 664, both Clay Co., to Concrete Steel Bridge Co., 513 Meridian Ave., Miami, $189,244 and $214,879 respectively. Grand total $462,897. Noted Jan. 6.

N. D., Minot — Ward Co. (Minot) and Burke Co. (Bowbells), steel and concrete bridge over DesLacs Lake, to Schultz Bros., Bowbells, $98,361.

Wash., Seabeck — Coms. Kitsap Co. (Port Orchard), constructing Little Beef Bridge, near here, to Berg Bros., Charleston, $29,500.

Wash., Sumner—Comrs. Pierce Co., 220 ft. bridge with 30 ft. roadway, 6 ft. sidewalks, etc., over Stuck River, near here, to D. Nygren, 3216 Government Way, Seattle, $64,880. Engrs. est. $70,000.

Dams

Proposed Work

Que., Pettetier — Canadian International Paper Co., Beaver Hall Hill, Montreal, plans 158 ft. dam, 8 ft. high, 25 ft. wide, here. $100,000. J. A. H. Henderson, c/o owner, engr.

Que., St. Alban — Portneuf Power Co. Ltd., Power Bldg., Montreal, made plans 1,300 x 65 ft. dam, developing 4,000 hp., here. $450,000. S. Svenningson, 636 Lansdowne St., Montreal, engr.

Railways

Proposed Work

Ohio — Fairport, Painesville & Eastern R.R. Co., J. H. McNash, pres., 511 Wood St., Pittsburgh, Pa., plans extending 8 mi. main line from Painesville to Madison, and spur at Madison, here.

Michigan — See "Buildings — Industrial under Detroit."

Wisconsin—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee, plan 5,000 ft. electric railway cut-off between West Junction and Fruitland Stations. $170,000. E. J. Archambault, c/o owner, engr.

Quebec — Canadian Natl. R.R., 230 St. James St., Montreal, T. T. Irving, ch. engr., plans new railroad to Lake St. John. $500,000.

Ontario — Canadian Natl. R.R., New Union Sta., Toronto, T. T. Irving, ch. engr. (Central Region), plans constructing 50 mi. block system from near Hamilton to Woodstock.

Ontario—Temiskaming & Northern Ontario R.R., North Bay, S. B. Clement, ch. engr., plans extending 85 mi. railroad from present terminus 70 mi. north of Cochrane to James Bay. $5,500,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

O., Columbus—See "Unclassified."

Ind., Indianapolis — City takes bids probably late in March, dredging 1,285,500 cu.yd. channel in White River, $685,000; also constructing 5 span bridge at Morris St., $454,000.

Mo., Sumner—Sumner D.D. making plans drainage and levees. $200,000. S. P. Sorensen, Brunswick, and C. E. Jacoby Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs. Noted Sept. 16.

Tex., Corpus Christi—City and certain property owners, c/o P. G. Lovenskiold, mayor, making preliminary plans 860 ft. wall east of east line Water St. from south side Port Channel to Buford Ave.; and filling in 200 ft. drive around same at Bayfront. $200,000.

Tex., Mercedes—See "Unclassified."

Tex., San Antonio—City, J. W. Tobin, mayor, takes bids about Feb. 12, (1st unit), 900 ft. channel, 70 ft. wide, 30 ft. deep, rein.-con., $340,000; also two 55 x 70 ft. rein.-con. and steel bridges, one at Villita and one at Nueva Sts., $30,000 each. S. F. Crecelius, 201 Torcido Dr., flood prevention engr. Noted Feb. 3.

Ont., Sarnia — Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans dredging and deepening harbor, here. $175,000. A. Craig, Dept. Pub. Wks., London, engr.

B. C., Graham Island—Powell River Co., Powell River, making plans developing harbor, wharves, etc., on Graham Island for connection to future logging railway, here. $500,000. P. Sandwell, Powell River, engr.

Bids Desired

Tex., Brownsville — Feb. 17 (extended date), by W. O. Washington, engr., Brownsville, flood control work, for Cameron Co. Water Impvt. Dist. 6, c/o O. C. Dancy, judge.

Contracts Awarded

Ark., Walnut Ridge—Village Creek D. D., 2,000,000 cu.yd. excav. in Village Creek and laterals, to O. Kotitsky, England, $208,755. Noted Jan. 13.

Calif., La Mesa—La Mesa, Lemon Grove & Spring Valley Irrigation Dist., 6,700 ft. 16 in. pipe line in El Cajon Blvd., to U. S. Cast Iron Pipe & Fdry. Co., Wright & Callender Bldg., Los Angeles, furnishing c.i. pipe line, $2,874; earth and rock ditches, to O. U. Miracle, 1604 Dale St., San Diego, $0.43 and $2.40 per ft. respectively. Noted Jan. 20.

Streets and Roads

Proposed Work

Mass., Hyde Park (br. Boston)—Dept. Pub. Wks., Boston, J. H. Sullivan, comr., plans widening and reconstructing West Milton St., here. $25,000 or more.

Pa., Oil City — Making plans curbing, concrete sidewalks and paving, etc. 45,000 sq.yd. Emerald-Cooper Ave. $40,000. B. B. Weber, city engr.

Pa., Pittsburgh—Making plans grading, curbing and paving Fallowfield Ave. between Coast and Catalpa Sts. $275,000. City Dept. Pub. Wks., City County Bldg., engr.

Pa., Pittsburgh—Soon takes bids widening, etc. Grant St. between 7th and 2nd Aves., $105,000; also widening and improving, etc. Baum Blvd. between South Aikin St. and South Hiland Ave. $110,000. City Dept. Pub. Wks., City County Bldg., engr.

W. Va., Buckhannon—Election Feb. 15, $35,000 bonds, paving various streets. B. H. Simpson, city engr.

Fla., Tallahassee—See "Sewers."

Ky., Henderson — Henderson Co. election Mar. 15, $1,000,000 bonds, improving roads. R. F. Crafton, co. judge.

O., Canton — Plans brick paving Lawn Ave. from Tuscarawas St. W. to 7th St. N. W. $25,000. W. E. Sarver, City Hall, engr.

O., Canton — Stark Co. takes bids in spring slag paving 3.5 mi. Dueber Ave. extenslon, 16 ft. $95,000. A. Wise, Canton, engr.

O., Columbus—See "Unclassified."

O., Hamilton—H. J. Koehler, Jr., mayor, making plans asphalt resurfacing 12,220 sq.yd. Ross Ave. $30,000. W. Willard, City Hall, engr.

O., Hamilton—G. C. Mitchell, serv. dir., soon takes bids asphalt resurfacing, etc., North B St., from Main St. to Central Ave. $23,000. W. Willard, City Hall, engr.

O., Leetonia — City and Columbia Co. making plans improving Walnut St., $25,000-$27,000; and Lisbon St., $25,000. L. C. Kirck, Lisbon, engr.

O., Lima—Plans paving South Main St. from Kibby St. to the Erie R.R. tracks. $70,000. City appropriates $35,000 towards cost. I. C. Brower, city mgr.

O., Massillon—Bd. Control takes bids in spring improving Maple St. S. E. from Erie to Lincoln Sts., $35,000; and Akron St. from Vogel to Lake Sts., $25,000. C. E. Rice, Massillon, engr.

Mich., Detroit—Making plans, Berea, Medina or Amherst concrete curbing and 3½ in. sheet asphalt on 8 in. concrete paving Riverdale and Riverview Rds., Steger and Torrey Courts, and 116 streets. P. A. Fellows, City Hall, city engr.

Mich., Detroit — Making plans berea medina or concrete curbing and 3½ in. sheet asphalt on 8 in. concrete paving 177 streets. P. A. Fellows, City Hall, city engr.

Ill., Alton—Making preliminary plans grading, curbing and concrete paving 6,000 ft. Alby St., 34 ft. $72,000. J. E. Schwaab, City Hall, engr.

Ill., Alton—Soon takes bids grading and concrete paving 5,800 sq.yd. Pearl St. $26,000. J. E. Schwaab, City Hall, engr.

Ia., Leon—Plans 6 in. concrete paving 28 blocks various streets. $55,000. Brown & Cook, Ottumwa, engrs.

Minn., Thief River Falls—City takes bids about Feb. 20, 6 in. concrete paving, etc. 10 blocks various streets. W. B. Stevenson, Fargo, N. D., consult. engr. Noted Jan. 27.

Minn., Winona—Plans election $250,000 bonds, paving, etc. various streets. E. E. Chadwick, city engr.

Mo., Webb City—Election in April $50,000 bonds, grading, curbing, resurfacing and concrete paving 6 mi. various streets. F. R. Hodgdon, City Hall, engr.

Tex., Alamo—Takes bids after Feb. 10, paving various streets. $35,000 bonds voted for same. Address J. G. Cox, mayor.

Tex., Alice—State Hy. Comn., Austin, cancelled bids to have been opened Jan. 26, grading and bridging 9.788 mi. Highway 12-A, State Aid Project 608-D. $50,000. Noted Jan. 20.

Tex., Anson — Jones Co. making plans rein.-con. paving 15.27 mi. Highway 18, 18 ft. $380,000. J. W. Puckett, Stamford, co. engr.

Tex., Beaumont—Jefferson Co. making surveys and plans election in March $2,000,000 bonds, widening and resurfacing 90 mi. Beaumont-Port Arthur Highway; grading, gravel surfacing, etc., Beaumont-Port Arthur Blvd.; and inverted penetration surfacing all primary county roads. B. F. Shipley, Beaumont, engr.

Tex., Brownsville—Cameron Co. voted $6,000,000 bonds, grading, hard paving, etc. 180 mi. main highways, etc. W. O. Washington, Brownsville, co. engr. Noted Jan. 6.

Tex., Carrizo Springs—Dimmitt Co. making plans grading and bridging 14.56 mi. Highway 55. $74,720. G. Lott, Carrizo Springs, engr.

Tex., Carrizo Springs — Dimmitt Co. making plans grading and bridging, etc. 8.9 mi. Highway 55, 26 ft. $50,000. J. G. Lott, Carrizo Springs, co. engr.

Tex., Happy — Election soon $30,000 bonds, paving various streets. Address Mayor.

Tex., Lubbock — Lubbock Co. rejected bids grading, bridging, etc., 14.478 mi. Highway 53, State Aid Project 716. Will readvertise. B. K. Garrett, Lubbock, engr. Noted Feb. 3.

Tex., Olney—Young Co. making plans grading and bridging 12.5 mi. Highway 67. $95,000. G. R. Johnson, Olney, engr.

Tex., Paducah—Cottle Co. voted $800,000 bonds, constructing new Highway 28, "Lee Highway." Address J. W. Whatley, Paducah, co. judge. Noted Dec. 16.

Tex., Panhandle — Carson Co. making plans grading and bridging, etc. 15.3 mi. Highway 75, 26 ft. $25,500. L. A. Cox, Panhandle, co. engr.

Tex., Pleasanton—Arascosa Co. takes bids about Feb. 15, rock asphalt on macadam paving 8.246 mi. Highway 9. $166,000. J. V. Curnutte, Pleasanton, engr.

Tex., San Angelo—Tom Green Co. making plans grading and bridging 5.41 mi. Highway 99. $40,000. T. J. Kelly, San Angelo, engr.

Tex., San Antonio — State Hy. Comn., Austin, cancelled bids which were to be opened Jan. 26, 2 course 1 in. rolled rock asphalt paving 9.152 mi. Highway 3, State Aid Project 717, Unit 2, 18 ft. $90,000. R. E. Killmer, c/o Courthouse, San Antonio, resident engr. A. C. Pancoast, San Antonio, co. engr. Noted Jan. 20.

Tex., Wharton — Wharton Co. making plans grading, bridging, etc. 6.35 mi. Highway 12, 26 ft. $38,000. J. M. Nagle, Wharton, engr.

Ore., Portland — Comrs. Multnomah Co. making plans constructing various roads. $2,000,000, incl. Canyon Rd. $1,200,000. B. B. Buck, City Hall, engr.

Ore., Salem—Marion Co. making plans and takes bids in April, improving various roads and highways. $400,000. W. J. Culver, Salem, engr.

Calif., Los Angeles—Made plans curbing, walks and 2 in. asphaltic concrete paving, etc., 150,028 sq.ft. Hooper Ave. between Washington and 38th Sts.; and 6 in. concrete paving 269,746 sq.ft. Museum Dr. and Crane Blvd. Impvt. Dist. J. C. Shaw, City Hall, engr.

Calif., Los Angeles—Los Angeles Co. plans curbing, guttering, oil and rock wearing surfacing 47,634 sq.ft. Michigan Ave., $29,554; also grading, oil and rock wearing surfacing, etc. 1,107 sq.ft. Walnut and 182nd Sts., $37,172. G. W. Jones, Hall of Records, engr.

Ontario — Dept. Highways, Parliament Bldgs., Toronto, soon takes bids macadam, concrete or asphalt paving 150 mi. Provincial Highways. $3,750,000. R. M. Smith, 110 University Ave., Toronto, engr.

Ont., Galt—Suburban Roads Comn. plans concrete, macadam or gravel paving East

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Streets and Roads (Continued)

River Rd. $25,000. L. S. Lichty, County Bldg., Kitchener, engr.

Ont., London—Middlesex Co. takes bids about Mar. 3, concrete and macadam pavements to 10 mi. roads, 20 ft. $150,000. C. Talbot, County Bldgs., engr.

B. C., Barnaby—Voted $262,000 bonds and takes bids about Mar. 7, hard surfacing various streets and sidewalks. E. Smith, Municipal Hall, Edmonds, engr. Noted Dec. 23.

B. C., West Vancouver—Voted $65,000 bonds, constructing new roads and repairing various streets.

Que., Quebec — Voted $100,000 bonds, widening Cote d'Abraham. J. A. Tremblay, engr.

Que., Quebec—Voted $200,000 bonds, concrete, asphalt and macadam paving various streets. J. A. Tremblay, Quebec, engr.

Que., Cape de la Madeleine—Made plans concrete paving 4 mi. St. Madeleine, Fusey and St. Laurent Sts., 40 ft. $165,000. R. Morriessette, Cap de la Madeleine, engr. Noted Jan. 6.

Que., Three Rivers—Making plans concrete paving 2 mi. Coteau St. Louis Blvd. $100,000. Z. Lambert, city engr.

Bids Desired

N. Y., Brooklyn — Feb. 16, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging and bituminous macadam paving Avenue L; grading, curbing, and asphalt on 6 in. concrete paving Avenue M, Rockaway Parkway, East 19th, Newport, Pine, Winthrop, 68th and 84th Sts., Avenue T, 21st, 19th and Stillwell Aves.; grading, etc., Albany Ave., East 42nd, East 91st and Newport Sts.

N. Y., New York—Feb. 18, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block on concrete paving Boston Rd.; sheet asphalt on concrete paving, Burke, Walton and Pooham Aves.; grading, curbing and sidewalks on Hennessy Pl., Dewey, Wood, Hone and Brady Aves.

N. Y., St. George—Feb. 16, by J. Lynch, pres. Richmond Boro, Boro Hall, grading, curbing, guttering Richmond Terrace; granite block paving Hylan Blvd. from Craig Ave. to sea wall; and grading and paving roadway from Hylan Blvd. to incinerator plant, New Drop.

N. J., Wildwood — Feb. 15, by City Comrs., C. A. Hall, clk., bituminous asphalt paving various streets. $175,000. L. Rice, 2310 Central Ave., engr. Noted Jan. 13.

Pa., Pittsburgh—Feb. 11, by City Controller repaving Tyndall St. $26,000. City Dept. Pub. Wks., City County Bldg., engr.

Florida—Feb. 24, by State Road Dept., Tallahassee, clearing and grubbing approximately 6.5 mi. Project 747, Road 35, Jefferson Co. J. L. Cresap, state highway engr.

Fla., Plant City—Feb. 24, at office W. H. Durrance, city clk., concrete sidewalks and sheet asphalt, asphaltic concrete, warrenite-bitulithic, rock asphalt, brick and concrete paving various streets, incl. 58,000 sq.yd. new paving, 11,000 sq.yd. widening paving and 29,000 sq.yd. relaying present paving, etc. Bishop Eng. Co., Orlando, and Plant City, engrs.

La., Abbeville — Feb. 19, by Vermillion Parish Police Jury, grading, bridging and surfacing 6.7 mi. road from line between 6th and 7th Wards to A. Broussards Store; 5 mi. from Kaplan Intro Coastal Canal Highway at Sta. 55 plus 9, thence west; 1.25 mi. from Kaplan Intro Coastal Canal Highway south to A. Broussard Store, thence southeast 1 mi. R. I. Tanner, Courthouse, engr.

O., Akron—Feb. 28, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving 15,980 sq.yd. Dorchester Rd., Shaker Dr., Jesse, Laffer, and Stadelman Aves., Chittenden and Kent Sts., $110,100, grading walks, and cindering 1,040 cu.yd. East Crosier St. $17,000, and 200 cu.yd. Elbon Ave. $2,300. Noted Dec. 16.

O., Cleveland—Feb. 16, by City, grading, curbing, paving, etc., Benwood Ave. S. E., Edgewood Ave. S. E., Hirst Ave. S. W., Klonowski Ave. S. E., Spokane Ave. S. W., and Stickney Ave. S. W., East 106th, East 111th, East 143rd, West 50th, West 132nd, West 133rd, West 135th, West 145th and West 146th Sts. R. Hoffman, City Hall, engr.

Ind., Indianapolis — Feb. 25, by Comrs. Marion Co., concrete paving 10,616 sq.yd. Keystone Ave., 18 ft. $31,232. H. Campbell, Court House, engr.

Ia., Newton—Feb. 15, at office Auditor Jasper Co., grading, paving, etc., 57,852 sq.yd. Federal Aid Project 64-A, U. S. Highway 32.

Ia., Waukon—Feb. 23, at office Auditor Allamakee Co., graveling etc., 24.765 mi. Primary Road 9.

Kan., Council Grove—Feb. 18 (extended date), by S. Morgan, clk. Morris Co., grading and concrete or brick paving, etc., 13,332 sq.yd. Federal Aid Project 257-B and C. J. McKenzie, Court House, engr. Noted Jan. 20.

Neb., Omaha—Feb. 15, by J. P. Hoctor, city clk., alternate types paving, etc., various streets in Impvt. Dist. 1473, 1887, 2422, 2463, 2638, 2805, 2906, 2952, 2987, 3010, 3015, 3026, 3043, 3067, 3074, 3076, 3077, 3100, 3113, 3118, 3120, 3130, 3131, 2853, 3105, 3106, etc. H. Beal, Omaha, engr.

Ark., Hope — Taking bids and opens same about Apr. 1, rein.-con. paving, etc., 14,000 sq.yd. in Paving Dist. 7, and Curb and Gutter Dist. 3. $40,000. Smith & Annen, City Hall, Hot Springs, engrs.

Ark., Little Rock — Feb. 17, by City Comrs. at office V. P. Knott, Home Insurance Bldg., rein.-con. paving, etc., 5,000 sq. yd. Pine St., Paving Dist. 459. $24,426.

Okla., Wewoka—Feb. 14, by D. R. Frazer, city clk., grading, curbing and concrete paving 32,440 sq.yd. in Dist. 8. $131,216. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 13.

Bids Received

Delaware—State Hy. Dept., Dover, Feb. 2, grading and widening, etc., 0.0633 mi. Rogers Corner-South Wilmington Limits, Contr. 76, from Petrillo & Co., 5 Edgemoor Rd., Wilmington, $31,956; 3.87 mi. Dover-Cheswold Rd., Contr. 77, from George & Lynch, Dover, $30,514; also 3.22 mi. road at Blackbird, Contr. 78, from F. W. Lovett & Co., Mechanicsville St., Newark, $28,160. Noted Jan. 13.

Virginia — State Hy. Dept., Richmond, improving 2.078 mi. Route 20, Project S-323-E, Charlotte Co., incl. bridge over Cub Creek, from J. J. Bartershill & Son, Virgilina, $35,001; 5.771 mi. Route 111, Project S-299-B, Buchanan Co., incl. bridge over Contrary Creek, and 5.825 mi. Route 12, Project S-410-A and C, Grayson Co., from Norton Constr. Co., Norton, $72,060 and $71,222 respectively; two 35 ft. rein.-con. beam spans and one 80 ft. steel truss span bridge over South Anna River, Route 39, Project S-312, Hanover Co., from E. T. Gresham Co., Inc., Norfolk, $18,970; one 25 ft. rein.-con. beam span bridge over Stag Creek, Route 39, Project S-312, Hanover Co., from C. S. Luck & Sons, Inc., Richmond, $5,585. Noted Jan. 13.

O., Lisbon—Comrs. Columbiana Co., improving 7.38 mi. Salem-Hanover Rd., from Melbert & Weidner, Medina, gravel concrete $165,666, or limestone $173,377. Noted Jan. 20.

Mich., Mt. Clemens—W. Lehner, engr. Macomb. Co., graveling 4.25 mi. County A. D. 103, 16 ft., from J. McKay & Son, Detroit $57,731, and 2.75 mi. A. D. 104, 9 ft., from Yuill & Stevenson, Vanderbilt $22,335; concrete paving 3.5 mi. A. D. 91, from T. Currie, 909 Transportation Bldg., Detroit $106,499, and 3.25 mi. A. D. 90, from Bishop & Weir, 6451 East 6 mi. Rd., Detroit $126,153, both 20 ft. Noted Jan. 20.

Ia., Iowa City—Johnson Co., improving 9.702 mi. County Project 5, 106,126 cu.yd. temporary excav., 84,051 sta.yd. overhaul, etc., from Shirley-Caldwell Co., Omaha, Neb., $27,866. Noted Jan. 13.

Wash., Seattle—Bd. Pub. Wks., Jan. 21, concrete paving, etc., 29,925 sq.yd. North 78th St. et al, from Fiorito Bros., 3950 6th St. N. W., sand cast pipe $81,372, centrifugal cast pipe $80,810.

Calif., Montebello—L. Herr, city clk., grading, curbing, and vibrolithic concrete paving, etc. 759,600 sq.ft. portions Beverly Blvd., from Hall-Johnson Co., 905 Westminister St., Alhambra, $565,353. Noted Jan. 20.

Contracts Awarded

Mass., Scituate—Bd. Selectmen, bituminous macadam paving section highway, to O. R. Mann, West Hanover. Engrs. est. $25,000. Noted Jan. 27.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing and flagging East 38th St., to G. M. Mandato, 201 Neck Rd., $3,470, East 91st St. to Grimm Contg. Co., 8536 107th St., Richmond Hill $1,820, and West 33rd St., to C. A. Rich, 2266 Gravesend Ave. $6,623; grading and sheet asphalt paving Albany and Autumn Aves., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $9,836 and $9,024 respectively, East 8th St., to M. J. O'Hara, 544 3rd Ave. $14,374, and Empire Blvd., to D. J. McCoy Asphalt Co., Avenue U and East 57th St. $21,874. Grand total $67,021. Noted Feb. 3.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and sheet asphalt repaving 5th Ave. from 79th to 86th Sts., to Asphalt Contr. Co., 2197 Madison Ave., $22,905. Noted Feb. 3.

Florida—State Road Dept., Tallahassee, **(P. means Project)**, single bituminous treatment on broken stone paving 95,854 sq.yd. P. 641, Palm Beach Co., to Langston Constr. Co., Orlando, $171,163, and 187,035 sq.yd. P. 48, St. Johns Co., to H. E. Wolfe, St. Augustine, $336,593; clearing and grubbing, etc., 10.5 mi. P. 695, Lake Co., to Tampa Sand & Shell Co., Oak Ave., Tampa, $57,608, 12.25 mi. P. 669-D, Dade Co., to R. C. Huffman Constr. Co., Coral Gables, $347,308, 10.5 mi. P. 695, Lake Co., to S. Yadner, Ormond Beach, $57,941, and 17.43 mi. P. 685, Franklin Co., to Deens Yarborough & Ebersbach Constr. Co., Tampa, $145,437; also plain concrete paving 8.93 mi. P. 693, St. Lucie Co., to Johnson Drake & Piper, Miami Beach, $284,239, and 8.48 mi. P. 694, Martin Co., to Nelson Bros., Clearwater, $250,168. Grand total $1,650,457. Noted Jan. 6.

Fla., Pensacola — To Noonon-Lawrence Co., Pensacola, paving 80,000 sq.yd. various streets at $1.86 per sq.yd., and 56,000 lin. ft. curbing at $0.36 per lin.ft., total $168,960.

La., Shreveport—Caddo Parish, grading, graveling, bridging, etc., 2.5 mi. Shreve Island Rd., to Girault & Le Gardeur, 617 Slattery Bldg., approximately $38,000.

O., Marion—Comrs. Marion Co., improving East River-Cardington Rd., to Anstine-Carey, Kenton, $28,691. Noted Dec. 30.

Ill., Belleville—Grading, curbing, guttering, rein.-con. paving, etc., 14,298 sq.yd. 40th, 41st and 42nd Sts., to Hoeffken Bros. Supply & Constr. Co., 222 West B St., $39,804. Noted Jan. 13.

Kan., Oswego — Labette Co., grading, bituminous macadam paving, etc., 76,867 sq.yd. Federal Aid Project 126-B, incl. 4,670 ft. guard rail, etc., to T. L. Thogmartin & Sons, Ft. Scott, $146,738. Noted Jan. 13.

Mo., Joplin — To Granite Bituminous Paving Co., Ry. Exch. Bldg., St. Louis, asphaltic concrete paving 6,700 sq.yd. Bird Ave. at $1.70 per sq.yd.; warrenite bitulithic paving 5,720 sq.yd. Connor Ave. and 2,950 sq.yd. Jackson Ave., at $1.98 per sq.yd. Noted Jan. 13.

Tex., Wellington — Brick on concrete paving 7,815 sq.yd. various streets, to Panhandle Constr. Co., Lubbock, approximately $28,000. Noted Dec. 23.

Wash., Seattle—Bd. Pub. Wks., 6 in. concrete paving, etc. 1st Ave. W. et al., to J. B. Murphy, 356 Wheeler St., $38,761. Noted Feb. 3.

Calif., Martinez—Supervs. Contra Costa Co., Jan. 3, grading, etc., road along Santa Fe R.R. from Knightsen, incl. 14,000 yd. embankment, to Smith & Morford, Martinez, at $0.38 per cu.yd. Noted Dec. 23.

Calif., Sacramento — Asphaltic concrete paving, etc., streets in Wright-Kimbrough Tract, to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $75,000. Noted Jan. 13.

Calif., Sacramento—Supervs. Sacramento Co., rejected bids grading, vibrolithic concrete and asphaltic macadam paving, etc., road from Rio Vista Bridge to Antioch Bridge, Joint Highway Dist. 4.

Calif., San Diego — Bd. Supervs. San Diego Co., to D. H. Ryan, Spreckels Bldg., improving streets in San Altos 1, 50,005 cu.yd. excav. at $1.10 per cu.yd., 113,160 sq. ft. 6 in. concrete paving $0.233 per sq.ft., 26,782 lin.ft. concrete curbing at $0.75 per lin.ft., etc., 358,518 sq.ft. 5 in. concrete paving $0.19, total $239,271. Noted Jan. 13.

Calif., Santa Rosa—W. W. Felt, Jr., clk. Sonoma Co., grading and concrete paving, etc., Pocket Canyon-Guerneville Highway, to Heafey-Moore Co., 344 High St., Oakland, $111,267. Noted Feb. 3.

Buildings — Commercial

Proposed Work

Vt., St. Johnsbury — HOSPITAL — St. Johnsbury Hospital, J. M. Bastien, having plans prepared by H. K. Wheeler Corp., 9 Main St., Nashua, N. H., 4 story and basement, brick addition, plain foundation, Prospect St. $150,000.

Mass., Boston — APARTMENT HOTEL —D. Stern, 294 Washington St., having sketches made by Hutchins & French, 11 Beacon St., 15 story and basement, brick and limestone, Pickney, Revere and Embankment Sts. $4,000,000.

Mass., Boston—HOTEL and STORE—Syndicate, c/o J. J. Smith, archt., 333 Washington St., having sketches made hotel and store, Russell and Cambridge Sts. To exceed $150,000.

Mass., Boston—STORE and OFFICE—Massachusetts General Hospital, Treas. Office, 50 State St., having plans prepared by Parker, Thomas & Rice, 177 State St., altering 6 story and basement, brick and steel, 70-80 Tremont St. $150,000.

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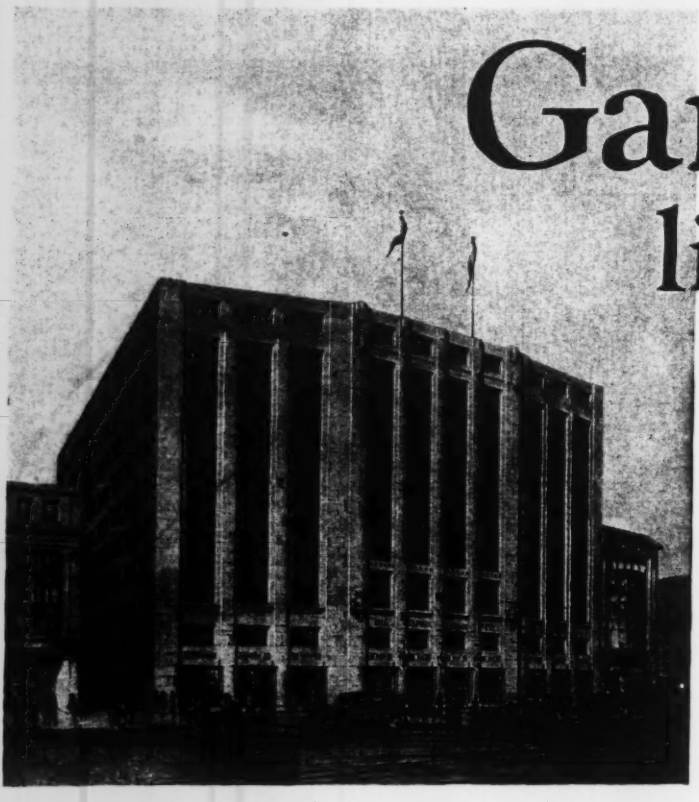
AMERICA NEEDS MORE GARAGES IN HER CITIES



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Buildings—Commercial (Continued)

Mass., Charlestown (sta. Boston) — THEATRE — Owner, c/o Miller & Levi, archts., 46 Cornhill, Boston, takes bids about Feb. 15, 1 story and basement, 11,900 sq.ft. floor space, rein.-con. and steel, plain foundation, Chelsea St. near City Sq., here. $150,000. Noted Dec. 23.

Mass., Fitchburg—STORE and OPERA HOUSE — B. Rockman, 15 Deerfield St., having sketches made by Haynes & Mason, 280 Main St., 1 and 2 story and basement, brick and steel, plain foundation. $150,000-$200,000.

Mass., Haverhill — CITY HALL — City, Realty Corp., D. Stoneman, 333 Washington St., Boston, having plans prepared by G. N. Jacobs, 9 Bosworth Pl., Boston, brick, steel, tile and marble, Park and Main Sts. Noted Jan. 6.

Mass., Holyoke—APARTMENT—Lynch Bros. Co., 225 High St., plans 4 story and basement, brick, Appleton and Pleasant Sts. $150,000. Engineer and architect not selected.

Mass., Hull — CASINO and CLUB — Colonial Casino Corp., having revised plans prepared by O. J. Gette, 103 Park Ave., New York City, 2 story, 125 x 245 ft., brick, casino and clubhouse. Former bids rejected. Noted Aug. 5.

Mass., Marlboro—HOTEL—Chamber of Commerce, W. N. Davenport, pres., 200 Pleasant St., plans hotel. $200,000. Engineer and architect not selected.

Mass., Medford (br. Boston)—THEATRE—Syndicate, c/o C. F. Springall, archt., 84 Sprague St., Malden, having plans prepared, 1 story and basement, 55 x 145 ft., brick and steel, plain foundation, Salem St. and Riverside Ave. $250,000.

Mass., Milford — THEATRE — Milford Building Dept., having plans prepared by J. A. Perkins, 45 North Ave., altering and constructing 3 story and basement, brick and stone addition, plain foundation, Lincoln St. $150,000.

Mass., Springfield—APARTMENT—P. H. C. Faber, c/o H. L. Stevens & Co., archts., 522 5th Ave., New York City, having sketches made brick and limestone, State and Thompson Sts., here.

Mass., Waltham (Ind. br. Boston)—REPAIR and STORE — Owner, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, having sketches made 2 story and basement, brick and steel, plain foundation, Moody St. To exceed $150,000.

R. I., Providence—BUSINESS—City Hall Hardware Co., 150 Washington St., soon lets contract 6 story, 95 x 96 ft., brick, steel and terra cotta. Snow and Washington Sts. $225,000. T. J. H. Pierce, 275 Washington St., archt.

Conn., Hartford — BANK — Hartford-Aetna Natl. Bank, H. Holt, pres., 835 Main St., plans bank. $150,000 or more. McKenzie Voorhees & Gmelin, 342 Madison Ave., New York City, archts.

Conn., Waterbury—FIRE STATIONS—City, Bd. Fire Comn., plans 2 fire station, one on East Main St. and Southmaid Rd., and other Highland and Fairfield Aves. $150,000. Engineer and architect not selected.

N. Y., Binghamton—STAFF ACCOMMODATIONS—Dept. Mental Hygiene, Capitol, Albany, takes bids in May, staff accommodations, for Binghamton State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted Dec. 30.

N. Y., Helmuth—STAFF ACCOMMODATIONS and FARM DORMITORY—Dept. Mental Hygiene, Capitol, Albany, takes bids in March, staff accommodations; and in May, farm dormitory, at Gowanda State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted Dec. 30.

N. Y., Marcy—Hospital—Dept. Mental Hygiene, Capitol, Albany, takes bids in April, additions to Marcy Div. Utica State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., New York—APARTMENT—Sis Bros., Inc., c/o Sugarman & Berger, archts., 345 Madison Ave., having plans prepared 15 story, 100 x 200 ft., brick, steel and stone, plain foundation, Central Park West and 86th St. $1,400,000.

N. Y., New York—BANK and OFFICE—Chase Natl. Bank, 57 Bway., soon takes bids 30 story, brick, steel and stone, plain foundation, Nassau St. $10,000,000. Graham, Anderson, Probst, White, 1417 Railway Exch. Bldg., Chicago, Ill., engrs. and archts. Noted Dec. 16.

N. Y., New York—BANK and OFFICE—Bank of New York & Trust Co., E. G. Merrill, pres., 52 Wall St., having plans prepared by B. W. Morris, 101 Park Ave., 25 story, brick, steel and stone, plain foundation, 48 Wall St. $3,000,000.

N. Y., New York—GARAGE—Seventy-Third Street and Third Avenue Corp., P. Meyrowitz, pres., 100 East 42nd St., having plans prepared by V. Mayper, 15 East 40th St., 6 story, brick, steel and stone, plain foundation, 1260 3rd Ave. $200,000. Steam heating, elevators, etc.

N. Y., New York—SALES and SERVICE—White Motor Co., W. T. White, chn. Bd. Directors, 842 East 79th St., Cleveland, O., having plans prepared by Hughes & Conrad, Union Mortgage Bldg., Cleveland, O., 3 story and basement, 80,000 sq.ft. floor space, brick and rein.-con., East 133rd St., here. $200,000. H. R. Hadlow, c/o owner, engr.

N. Y., New York—Y. W. C. A., 129 East 52nd St., W. T. Payne, chn. building com., soon takes bids 8 story, brick, steel and stone, plain foundation, East 77th St. $300,000. F. J. Joannes, 247 Park Ave., archt. Noted May 6.

N. Y., Orangeburg — HOSPITAL—Dept. Mental Hygiene, Capitol, Albany, takes bids in March, group 31 buildings, for Rockland State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., Rochester — DORMITORY—Dept. Mental Hygiene, Capitol, Albany, takes bids in May, Lakeside Dormitory, at Rochester State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., Rochester — HOSPITAL — Dept. Mental Hygiene, Capitol, Albany, having plans prepared by S. W. Jones, state archt., Capitol, Albany, near accommodations, replacing Monroe Group, at Rochester State Hospital, South Ave., here. $1,340,000.

N. Y., Sonyea — ADDITIONS — Dept. Mental Hygiene, Capitol, Albany, takes bids in March, additions to Craig Colony, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., Thiells—DORMITORIES, ATTENDANTS HOME, etc.—Dept. Mental Hygiene, Capitol, Albany, takes bids in March, adult male dormitories, attendants home, and service building; also laundry and storehouse, underground connections, etc., at Letchworth Village, here. S. W. Jones, Capitol Bldg., Albany, state archt.

N. Y., Troy—GARAGE—G. S. Thompson, archt., 257 Bway., soon lets contract 4 story and basement, 100 x 137 ft., rein.-con. and brick, plain foundation, for Hendrick-Hudson Garage, Inc.

N. Y., Wassaic—INSTITUTION—Dept. Mental Hygiene, Capitol, Albany, takes bids in May, 40 new buildings for Wassiac State School for Mental Defectives, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., Willard — EMPLOYEES and NURSES HOMES — Dept. Mental Hygiene, Capitol, Albany, takes bids in April, employees and nurses homes, at Willard State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., Wingdale—STAFF ACCOMMODATIONS—Dept. Mental Hygiene, Capitol, Albany, takes bids in March, staff accommodations at Harlem Valley State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

N. J., Atlantic City—HOTEL—Owner, c/o Thalheimer & Weitz, archt., 10 South 18th St., Phila., Pa., having sketches made 16 story, 350 room hotel, Pacific Ave., here.

N. J., Montclair—APARTMENT—Harrison-Van Duyne, Inc., Kinney Bldg., Newark, having plans prepared by Shape, Bready & Peterkin, 285 Madison Ave., New York City, 11 story, 115 x 140 ft., brick, steel and stone, plain foundation, Claremont and Bloomfield Aves., here. $1,000,000.

Pa., Easton—BANK—Lafayette Trust Co., A. Seip, pres., 353 Northampton St., plans bank, 4th and Northampton Sts. Engineer and architect not selected.

Pa., Phila.—BANK and APARTMENT—W. H. Lee, archt., 1505 Race St., soon lets contract 8 story and basement, 50 x 93 ft., rein.-con., brick and steel, plain foundation, 17th and Tioga Sts., for Tioga Trust Co., 17th and Tioga Sts. Former bids rejected. Noted Nov. 4.

Pa., Phila.—BANK, STORE and APARTMENT—J. T. Bruggar, archt., Pub. Ledger Bldg., soon lets contract 2 story and basement, 24 x 230 ft., rein.-con., brick and steel, plain foundation, 22nd and Venango Sts., for Broad Street Natl. Bank, Broad and Diamond Sts.

Pa., Phila.—LOFT—Wynnewood Realty Co., 109 South 22nd St., having plans prepared by R. A. Kerns, 109 South 22nd St., 3 story and basement, 34 x 120 ft., rein.-con., brick and steel, plain foundation, 2209-11 Chestnut St.

Pa., Phila.—THEATRE—N. Robinson, Franklin Trust Bldg., having plans prepared by Edwards & Green, 548 Federal St., Camden, N. J., rein.-con., brick and steel theatre, 2,000 seating capacity, plain foundation, 42nd and Walnut Sts.

Pa., Pittsburgh — BANK — Monongahela Natl. Bank, 6th and Wood Sts., having plans prepared by E. C. Stotz, Monongahela Bank Bldg., 5 story and basement, irregular shaped, granite, limestone and steel, 6th Ave., Liberty and Wood Sts. $500,000.

Pa., Pittsburgh—MEDICAL CENTER—Presbyterian Hospital Assn., Sherman and West Montgomery Sts., having plans prepared by E. P. Mellon, Oliver Bldg., 10 story and basement, 345 x 450 ft., brick, stone and steel, 5th Ave. and Darragh St. $6,000,000.

Pa., Pittsburgh — STORE and APARTMENT—Medical Center Building Corp., 207 Commonwealth Bldg., having preliminary plans prepared by E. J. Hatcher, Empire Bldg., 8 story and basement, brick and steel, 3601-9 5th Ave. $600,000.

Pa., Sharon Hill — APARTMENT — Owner, c/o W. A. Hall, archt., Upper Darby, making plans 5 story and basement, 125 x 200 ft., rein.-con., brick and steel, plain foundation, Florence St. and Francis Ave. $500,000.

Md., Baltimore—HOME—Y. W. and Y. M. H. A., c/o J. E. Sperry, archt., Calvert Bldg. and F. E. Hahn & S. B. Baylinson, associated archts., 629 Walnut St., Phila., Pa., having plans prepared 4 story and basement, 96 x 176 ft., rein.-con., brick and steel, plain foundation, Monument St. near Howard St. $400,000. Noted Jan. 13.

O., Cincinnati—HOTEL—L. P. Hazen, 2nd Natl. Bank, having plans prepared by J. G. Steinkamp, Mercantile Library Bldg., 6 story and basement, rein.-con. and brick, plain foundation, Reading Rd. $150,000.

O., Cleveland—APARTMENT—M. Seltzman, 875 Thornhill Dr., having sketches made by M. Altschuld, 5116 Woodland Ave., 4 story and basement, brick, Meadowbrook Rd. $200,000.

O., Cleveland—HOSPITAL—Evangelical Deaconess Hospital, A. A. Kitterer, supt., 4229 West 25th St., plans 3 or 4 story, brick, 4229 West 25th St. $300,000. Engineer and architect not selected.

O., Cleveland — TRUCK TERMINAL — Croton Transportation Co., J. DeKaiser, pres., Guarantee Title Bldg., had plans prepared and soon takes bids 4 story and basement, 157 x 197 ft., brick and rein.-con., East 40th St. and Croton Ave. $300,000. S. H. White, 1032 Schofield Bldg., archt. Noted Feb. 3.

O., Springfield—OFFICE—Mast, Foos & Co., H. F. Snyder, vice pres., having sketches made approximately 10 story and basement, brick, steel and terra cotta, West High St. $250,000.

Ind., Gary—APARTMENT—S. E. McEowen having plans prepared by L. Hess, Trust & Savings Bldg., and takes bids about Feb. 15, 3 story, 70 x 100 ft., rein.-con., brick and stone apartment. $150,000.

Ind., Gary—HOSPITAL—Mercy Hospital having plans prepared by H. J. Gaul, 228 East Superior St., Chicago, Ill., 5 story, rein.-con., brick and steel, 6th and Tyler Sts. $275,000.

Ind., Indianapolis — GARAGE — W. F. Kernodle, 51-53-55 South Jackson St. Frankfort, having plans prepared by R. Leonard, Peoples Life Bldg., Frankfort, 6 story, 76 x 143 ft., rein.-con., brick and steel, Kentucky and Maryland Sts., here. $150,000.

Mich., Detroit—CLUB—Scarab Club, 253 Forest Ave., having plans prepared by L. Sukeet, 415 Brainard St., 4 story and basement, rein.-con., brick and steel, incl. studios, laboratory, printing and etching shop, plain foundation, Farnsworth Ave. $160,000.

Mich., Detroit—COMMUNITY HOUSE—Dept. Recreation, 504 Elmwood Ave., having plans prepared by Carey & Esselstyn, 602 Hoffman Bldg., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. gymnasium and swimming pool, Canfield and LeMay Sts. $190,000.

Ill., Chicago—APARTMENT—C. Wishnack will not construct 18 story and basement, 50 x 250 ft. apartment, 5861-63 Sheridan Rd. $1,500,000. Project abandoned. Noted Aug. 26.

Ill., Chicago—CLUB—Allerton Club, 710 North Michigan Ave., having plans prepared by Murgatroyd & Ogden, archts. and engrs., 369 Lexington Ave., New York City, brick and stone club house, Huron St. and Clair Ave. $1,500,000.

Ill., Chicago — HOSPITAL — Edgewater Hospital, 5700-04 North Ashland Ave., having plans prepared by S. Minchin, 53 West Jackson Blvd., 6 story, 54 x 115 ft., brick, 5700-02 North Ashland Ave. $150,000.

Ill., Chicago — HOTEL — Syndicate, c/o L. M. Sanders & Co., archts., 30 North Dearborn St., having plans prepared 12 story and basement, 100 x 23 ft., rein.-con., 12-16 Gary Pl. $1,600,000.

Ill., Chicago—STORE—A. S. Alschuler, archt., 28 East Jackson Blvd., prepared plans and soon takes bids 4 story and basement, 100 x 100 ft., brick and concrete addition, 1615 West Chicago Ave., for Goldblatt Bros., 1615 West Chicago Ave. $600,000.

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Buildings—Commercial (Continued)

Ill., Chicago—STORE—Dubin & Eisenberg, archts., 14 West Washington St., preparing plans and soon takes bids 5-story and basement, 90 x 120 ft., rein.-con., brick and terra cotta, Roosevelt Rd. and Morgan St., for Associated Mercantile Co., c/o architects. $400,000.

Ill., Evanston—OFFICE and STORE—J. A. Nyden, archt., 190 North State St., Chicago, preparing plans and soon takes bids brick, limestone and granite, Sherman and Orrington Aves. near Davis St., here, for J. F. Hahn.

Ill., Springfield—JAIL—City plans jail. $150,000. J. E. Smith, mayor. Engineer and architect not selected.

Ill., Springfield — OFFICE — City and Sangamon Co. having sketches made by Helmle & Helmle, archts. and engrs., 1st Natl. Bank Bldg., 10 story, Gothic type office building. $1,500,000. J. E. Smith, mayor.

Ia., Des Moines — HOSPITAL — Des Moines General Hospital Co., 603 East 12th St., takes bids about June 15, 4 story and basement, rein.-con., Osteopathic Hospital, concrete pile foundation. $400,000. Noted Dec. 30.

Minn., Minneapolis—DETENTION HOME—City, c/o Bd. Pub. Welfare, City Hall, authorized $200,000 bond issue, 2 story and basement, rein.-con., and brick, Parkers Lake. Colburn & Forsell, 210 South 9th St., archts.

Mo., St. Louis—APARTMENT—A. M. Cornwell, 111 North 7th St., takes bids about Feb. 15, 4 story and basement, 44 x 120 ft., rein.-con., brick and stone apartment. $300,000. Private plans.

Mo., St. Louis—STORE and OFFICE—Syndicate forming, c/o W. H. Gruen, archt., 1510 Chestnut St., having preliminary plans prepared 25 and 40 story and basement, 35 x 79 x 150 ft., rein.-con., brick, steel and stone, Olive, Channing and Lindell Sts. $2,500,000.

Ark., Little Rock—Little Rock Y. M. C. A., c/o Secretary, 123 East Capitol St., having plans prepared by Mann & Stern, A. O. U. W. Bldg., and takes bids about Mar. 1, 4 story, 120 x 140 ft., rein.-con., brick and steel building. $281,250. Noted Apr. 29.

Okla., Tulsa—OFFICE—Waite Phillips Co., Petroleum Bldg., having preliminary plans prepared by Keene & Simpson, 1005 Land Bank Bldg., Kansas City, Mo., 20 story and basement, 75 x 140 ft., rein.-con., plain foundation, 6th St. $1,000,000. Noted Jan. 13.

Wash., Tacoma — Y. W. C. A., F. A. Leach, chn., plans 3 story and mezzanine, concrete building, incl. gymnasium, swimming pool, auditorium, etc. Bway. and Stadium Way. $250,000.

Ore., Portland—GARAGE—Pacific Properties Co., Gasco Bldg., plans ramp garage. $300,000.

Ore., Portland—STORE and OFFICE—G. Wetherly, 427 East Main St., having plans prepared by L. Thomas, DeKum Bldg., 12 story, 100 x 100 ft., East Morrison and Grand Aves. $500,000. Sutton & Whitney, Lewis Bldg., engrs.

Calif., Bakersfield — OFFICE — Natl. Holding Co. having plans prepared by Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, 8 story, rein.-con., Chester and 18th Sts. $500,000.

Calif., Huntington Beach—CLUB HOUSE—South Coast Club, Quinby Bldg., Los Angeles, having plans prepared by H. K. Vaughn, 2512 West 7th St., Los Angeles, approximately 7 story, rein.-con. club house, here. To exceed $350,000.

Calif., Los Angeles—APARTMENT—D. Futernick, c/o F. Webster, archt., Hollywood Guaranty Bldg., had plans prepared 4 story and basement, brick and concrete, Padre Court. $150,000.

Calif., Los Angeles—BANK and OFFICE—Merchants Natl. Bank & Trust Co., 558 South Spring St., having plans prepared by Walker & Eisen, Western Pacific Bldg., 12 story and basement, 65 x 120 ft., steel, stone, terra cotta and rein.-con., Spring St. adjoining Hellman Blvd. $1,000,000.

Calif., Los Angeles—HOME—Southern California Home for Aged having plans prepared by A. G. Bailey, 410 Hillstreet Bldg., 3 story home for aged. $600,000 funds being raised for same.

Calif., Los Angeles—SALES and SERVICE—White Motor Co., Windsor & White, chn. Bd. Directors, 842 East 79th St., Cleveland, O., had plans prepared by Hughes & Conrad, Union Mortgage Bldg., Cleveland, O., brick and rein.-con. sales and service building, here. $150,000. H. R. Hadlow, c/o owner, engr.

Calif., Los Angeles—STORE and LOFT—Sun Realty Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., having plans prepared 2 story with 3 story tower, 135 x 150 ft., rein.-con., Wilshire and Oxford Blvds. $150,000 or more.

Calif., Los Angeles—STORE and OFFICE—J. Oviatt, c/o Walker & Eisen, archts., Western Pacific Bldg., having plans prepared 12 story and basement, 60 x 170 ft., rein.-con. brick and terra cotta, South Olive St.

Calif., Salinas—HOTEL—Cominos Bros., Cominos Hotel, plans fireproof hotel, Main and Alisal Sts. $400,000.

Calif., San Pedro—CITY HALL—City of Los Angeles having preliminary plans prepared by C. O. Brittain, Equitable Bldg., Los Angeles, branch city hall, here. $500,000.

Calif., Santa Ana — DEPARTMENT STORE — Orange County Impvt. Co. had plans prepared by M. E. Durfee, 221 Commercial Exch. Bldg., Los Angeles, 4 story and basement, tile, stone and steel, East 4th and Bush Sts. $300,000.

Calif., Stockton—APARTMENT—F. S. Boggs, c/o J. Losekann, archt., Elks Bldg., having plans prepared for apartment, East Acacia and El Dorado Sts. $150,000.

Calif., Stockton — SALES, SHOP and SERVICE STATION—C. M. Menzies (Cole Motors, Inc.), 332 North El Dorado St., plans sales and service station. $150,000.

Que., Quebec—BANK—Bank of Montreal, 109 St. James St., Montreal, W. M. Bankroff, Quebec, mgr., plans 1½ story, 83 x 87 ft. bank, here. $300,000.

Ont., Gravenhurst — HOTEL — Muskoka Beach Co., c/o Front, Dillon and Birks, Federal Bldg., Toronto, having plans prepared by E. L. Sheppard, 57 Queen St. W., Toronto, 3 or 4 story, 100 room, rein.-con. brick and stone, plain foundation, Muskota Dist. point 2½ mi. north of here. $400,000-$500,000.

Ont., Toronto—APARTMENT HOTEL—Chateau Benvenuto Ltd., E. L. Clemens, pres., 40 Richmond St. W., having plans prepared by E. Bird, 63 King St. E., probably 10 story, rein.-con., brick and steel, apartment hotel. $3,000,000.

Ont., Toronto — EXPRESS — Canadian Pacific R.R., Windsor Sta., Montreal, J. M. R. Fairbairn, ch. engr., having plans prepared 3 story and basement, 40 x 390 ft., rein.-con., brick and steel, plain foundation, Front St. W. $250,000.

Ont., Toronto—STABLES—City having plans prepared probably 2 story, rein.-con. and brick, plain foundation, east end of City. $150,000. R. C. Harris, city engr.

Ont., Toronto — WAREHOUSE—Loblaw Groceterias Ltd., 1385 Bloor St. W., plans rein.-con., brick and steel, plain foundation. $500,000. Engineer and architect not selected.

Bids Desired

N. H., Portsmouth—HOME—Wentworth Home for Chronic Invalids, 348 Pleasant St., taking bids altering and constructing 3 story and basement, brick and stone addition, Wentworth and Pleasant Sts. $150,000. R. Coit, 9 Park St., Boston, archt. Noted Dec. 16.

Mass., Boston — BANK — Atlantic Natl. Bank, Post Office Sq., taking bids altering and constructing 1 story and basement, rein.-con., brick and steel addition, concrete foundation, Canal St. $150,000. T. M. James Co., 3 Park St., archts.

Mass., Cambridge (Boston P. O.)—APARTMENT—J. L. Cotter, 580 Massachusetts Ave., taking bids 4 story and basement, 85 x 115 ft., brick and stone, plain foundation, Avon and Martin Sts. H. Harlow, 4 Brattle St., archts. Noted Jan. 27.

Mass., Cambridge (Boston P. O.) — APARTMENT — J. Carrig, 1374 Massachusetts Ave., taking bids 4 story and basement, 70 x 120 ft., brick and stone, plain foundation, Dana St. $150,000. H. Harlow, 4 Brattle St., archt.

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) — DANCE HALL, etc. — See "Contracts Awarded."

Mass., East Weymouth (Ind. br. Boston)—THEATRE—A. L. McGrory, 15 Central Ave., Weymouth, taking bids on revised plans 1 story and basement, brick and steel, plain foundation, Commercial St., here. $150,000. J. E. Keely, 31 West St., Boston, archt.

Mass., Everett (br. Boston)—STORE and OFFICE—See "Contracts Awarded."

Mass., Falmouth — FIRE STATION — Town, c/o C. P. Hoyt, archt., 8 Beacon St., Boston, taking bids 2 story and basement, brick and stone, plain foundation. $150,000. Noted Jan. 27.

Mass., Lawrence—STORE and OFFICE—G. Woodman, c/o H. H. Pitzold, archt., Bay State Bldg., taking bids 4 story and basement, brick and stone, plain foundation, Bway. and Hawley Sts. $150,000.

Mass., Lynn—APARTMENT and ST[illegible]—R. M. Galazian, c/o B. E. Porter, [illegible] Tremont Bldg., Boston, taking new bids 4 story and basement, brick and stone, [illegible] foundation, Union St. $150,000. Former contract rescinded. Noted Jan. 6.

Mass., Malden (br. Boston) — APARTMENT—T. J. & A. E. Griffin, c/o [illegible] Springall, archt., 84 Sprague St., taking bids 4 story and basement, brick and stone, plain foundation, Salem and Mt. Vernon Sts. $150,000. Noted Feb. 3.

Mass., Springfield—APARTMENTS—See "Contracts Awarded."

R. I., Providence—STORE and OFFICE—Feb. 14, by T. J. H. Pierce, archt., [illegible] Washington St., 6 story and basement, [illegible] 95 ft., brick and steel, Washington St. [illegible] City Hall Hardware Co., 150 Washington St. To exceed $150,000. Noted Nov. 11.

R. I., Providence—THEATRE—A. C. Emery, 36 Exchange St., taking bids on revised plans 2 story and basement, 100 x 155 ft., brick, stone and tile, plain foundation, Hope and 4th Sts. To exceed $150,000. J. F. O'Malley, 84 Broad St., archt. Noted Dec. 9.

Conn., Hartford—DORMITORY—Feb. 24, by Hartford Hospital, 20 South Lewis St., 4 story, 50 x 130 ft., brick and steel, Jefferson St. $150,000. C. J. Malmfeldt, 15 Lewis St., archt. Noted Dec. 16.

N. Y., Baldwin—THEATRE and APARTMENT—See "Contracts Awarded."

N. Y., Far Rockaway—STORE and OFFICE—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — MORTUARY, CHAPEL and LABORATORY — Feb. 18, by L. I. Harris, pres. Bd. Health, 505 Pearl St., mortuary, chapel and laboratory, on grounds Riverside Hospital, North Brother Island, here. Noted Oct. 21.

N. J., Atlantic City—HOME—F. A. Berry, archt., Real Estate Trust Bldg., Phila., Pa., taking bids 5 story (ultimately 8 story) and basement, 50 x 200 ft., rein.-con., brick and steel, plain foundation, Pacific Ave. and St. James Pl., here, for Knights of Columbus Home Assn. $500,000.

Pa., Manor—HALL and STORE—Feb. 16, by Hodgens & Hill, archts., 130 South 15th St., Phila., 1 story and basement, 100 x 259 ft., brick and steel, plain foundation, Eagle Rd. and West Chester Pike, here, for W. C. Boyd, 21 South Eagle Rd. $230,000.

Pa., Williamsport — BUSINESS — See "Contracts Awarded."

O., Cleveland—STORE, OFFICE, SUITE and THEATRE—A. F. Janowitz, archt., 811 Prospect Ave., taking bids and open same about Feb. 15, 2 story and basement, 127 x 140 ft., brick, steel and concrete, East 152nd St. and Macauley Ave., for Syndicate, c/o I. Miller, of Miller Becker Co., 6411 Central Ave. $225,000. Noted Feb. 3.

Ind., Crown Point—HOSPITAL—Mar. 7, by W. E. Whitaker, aud. Lake Co., 2 story and basement, 36 x 233 ft., tuberculosis sanitarium, rein.-con., brick and steel, $175,000. K. D. Norris, 224 Calumet Bldg., Chicago, Ill., archt. Noted Nov. 18.

Ind., South Bend—HOSPITAL—Feb. 28, by Bd. Comrs. St. Joseph Co., at office C. Sedgwick, aud., childrens building, incl. electric wiring; and addition to hospital, incl. wiring, plumbing and heating, in connection with and on ground of Healthwin Hospital.

Mich., Detroit—Feb. 18, by Malcolmson & Higginbotham, archts., 1219 Griswold St., 5 story and basement, 125 x 150 ft., rein.-con., brick and steel, plain foundation, incl. swimming pool, Clark and Dix Aves., for Y. M. C. A. Noted Nov. 18.

Ill., Chicago — APARTMENT — H. K. Holsman, archt., 307 North Michigan Ave., taking bids 8 story and basement, 50 x 150 ft., rein.-con., brick and stone, 5617 Dorchester Ave., for Syndicate, c/o architect. $350,000.

Mo., Kansas City—APARTMENT—See "Contracts Awarded."

Mo., Kansas City—APARTMENT and APARTMENT HOTEL — See "Contracts Awarded."

Tex., Dallas—EXCHANGE—Mar. 15, by Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., 2 and 3 story, each 40 x 40 ft., rein.-con., brick and terra cotta additions, incl. enlargement steam heating plant, here. I. R. Timlin, 1917 Southwestern Bell Telephone Bldg., St. Louis Mo., archt. Noted Jan. 13.

Calif., Beverly Hills — APARTMENT — See "Contracts Awarded."

Calif., Glendale — APARTMENTS — See "Contracts Awarded."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 582 Market St., taking bids 6 story and basement, brick and steel.

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Buildings—Commercial (Continued)

Scott and Fulton Sts., for Scott & Fulton Building Corp., c/o architect. Noted Dec. 20.

Bids Received

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 4, general contract 4th story addition to magistrates and municipal court house, Washington and Brook Aves., 161st and 162nd Sts., from Riley Building & Constr. Co., 1919 Bway., $121,300. Noted Jan. 27.

Contracts Awarded

Mass., Boston—STORE—Jordan Marsh Co., Washington St., altering and constructing 4 story and basement, brick addition, plain foundation, to A. D. Jones, 15 Ash St. Archts. est. $150,000. Noted Jan. 13.

Mass., Cambridge (Boston P. O.) — APARTMENT—H. Tasker, 27 School St., Boston, will build 4 story and basement, brick and stone, plain foundation, Shepard St. Work will be done by separate contracts. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Dorchester (Boston P. O.) — DANCE HALL, etc.—H. B. Barron, 32 Abbott St., will build 2 story and basement, 95 x 155 ft., brick and steel, Greendale Rd. and Wellington Hill St., by day labor. $150,000. S. S. Levy, 35 Court St., Boston, archt. Noted Dec. 16.

Mass., Everett (br. Boston)—STORE and OFFICE — Enterprise Realty Co., S. A. Glass, 200 Pleasant St., will build 3 story and basement, brick and stone, plain foundation, Norwood and School Sts., by day labor. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Springfield — APARTMENTS — F. C. Gagnier, 1509 Main St., will build two 3 story and basement, rein.-con., brick and steel, 202-212 Pearl St. $150,000. Work will be done by separate contracts. Private plans.

N. Y., Baldwin—THEATRE and APARTMENT—L. Frankel, c/o H. J. Krapp, archt., 1 West 47th St., New York City, will build 6 story, brick, steel and stone, plain foundation, Grand Ave., here. $900,000. Work will be done by separate contracts, under architect's supervision.

N. Y., Brooklyn — HOSPITAL and NURSES HOME—Jewish Hospital, Classon Ave., 10 story, brick, steel and stone, plain foundation, Prospect Pl., to Thompson-Starrett Co., 250 Park Ave., New York City. Noted Dec. 16.

N. Y., Far Rockaway—STORE and OFFICE—Metzer Silverman & Perlman, c/o G. and E. Blum, archts., 415 Lexington Ave., New York City, will build brick, steel and stone, plain foundation, Central Ave. $150,000. Work will be done by separate contracts. Noted May 6.

N. Y., New York — APARTMENT — Fiorina Building Corp., c/o G. G. Miller, archt., 1482 Bway., will build 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Kingsbridge Terrace near 229th St., by day labor. $250,000.

N. Y., New York—APARTMENT—Alvin Holding Corp., A. Piza, pres., c/o G. and E. Blum, archts., 415 Lexington Ave., will build brick, steel and stone, plain foundation, 736 West End Ave. $400,000. Work will be done by separate contracts under architect's supervision.

N. Y., New York—APARTMENT—Bregman Bros., c/o H. Ginsberg, archts., 220 East 42nd St., will build 6 story, 70 x 175 ft., brick, steel and stone, plain foundation, Jerome Ave. and 165th St., by day labor. $400,000.

N. Y., New York—STORE and LOFT—Jay-Thorpe, Inc., 49 West 57th St., 9 story, 50 x 100 ft., brick, steel and stone, plain foundation, 25 West 56th St., to G. Richard Davis, 10 East 41st St. Archts. est. $350,000.

N. Y., New York—THEATRE and OFFICE—Rose Marie & Co., Inc., A. Hammerstein, pres., 1650 Bway., 15 story, brick, steel and stone, plain foundation, 211 West 53rd St., to O'Day Constr. Co., 1639 Bway. Archts. est. $1,500,000. Noted Dec. 2.

N. Y., New York—WAREHOUSE—Morgan & Bros., 232 West 47th St., general contract 8 story and basement, 92 x 150 ft., brick, steel and stone, plain foundation, 510-522 West 21st St., to White Constr. Co., 95 Madison Ave., approximately $700,000. Noted Dec. 2.

N. Y., Syracuse — HOTEL — Detroit Constr. Co. (owner and contractor), East Jefferson and Clinton Sts., will build 11 story and basement, 50 x 74 ft. hotel, East Jefferson and Clinton Sts. $250,000.

N. J., Elizabeth—OFFICE—M. M. Martin, 1139 East Jersey St., 5 story and basement, 60 x 147 ft., brick and steel, plain foundation, to J. W. Ferguson, 40 West 40th St. Archts. est. $300,000.

N. J., Newark—DEPARTMENT STORE—L. Bamberger & Co., Halsey St., 16 story, 109 x 141 x 281 ft., brick, steel and stone, plain foundation, Washington, Bank and Halsey Sts., to G. A. Fuller Co., 175 5th Ave., New York City, N. Y. Archts. est. $10,000,000. Noted Jan. 20.

Pa., Monessen — BANK — First Natl. Bank, general contract 5 story and basement, 44 x 67 x 100 ft., stone, Donner Ave., to Kelly & Kelly, Stillwell Ave., Long Island City, N. Y. Archts. est. $200,000.

Pa., Phila. — COUNCIL HEADQUARTERS — Hoffman-Henon Co., archts., Finance Bldg., 1 story (50 ft. high) and basement, 36 x 146 ft., rein.-con., brick and steel, plain foundation, 2009 Spruce St., to T. Monaghan, 2009 Sansom St., for Knights of Columbus, San Domingo Council, c/o W. Rooney, 1529 South 24th St. Noted Jan. 27.

Pa., Williamsport — BUSINESS — J. B. Nutt and G. B. Klump, 430 Pine St., H. P. Haskins, 426 Pine St., and A. F. Hardt, 414 Pine St., 4 story and basement, 66 x 100 ft., rein.-con., brick and steel, Pine St., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $150,000. Contractor taking bids steel work, brick, stone, etc., for above.

Ga., Atlanta—GARAGE—Packard Motor Co., 414 Peachtree St., 1 story, mezzanine and basement, 79 x 224 ft., rein.-con., brick and steel, concrete pile foundation, Peachtree St. and Forest Ave., to Southern Ferro Co., 70 Ellis St., $250,000.

Fla., Jacksonville—HOSPITAL—St. Vincents Hospital, West 5th St., 5 story and basement, 200 x 400 ft., rein.-con., and brick hospital, to G. W. Hessler, West Bldg. $800,000. Noted Nov. 11.

Tenn., Nashville—FRATERNAL—Grand Lodge of Tennessee, A. F. & A. M., 419 4th Ave., 5 story and basement, 50 x 100 ft., brick and stone, to McKissack & McKissack, Moni Memorial Bldg. Archts. est. $150,000.

O., Cleveland — WAREHOUSE — Kroger Grocery & Baking Co., 817 Main St., Cincinnati, 4 story and basement, 140 x 408 ft., brick, terra cotta and rein.-con., concrete pile foundation, East 55th St. and Hydraulic Ave., here, to H. K. Ferguson Co., 4900 Euclid Ave. $750,000. Noted Jan. 20.

Mich., Flint—HOSPITAL—Hurley Hospital, general contract 10 story and basement, 184 x 202 ft., rein.-con., brick and stone, Begole and 6th Aves., to Natl. Contg. Co., Metropolitan Bank Bldg., Minneapolis, Minn. Archts. est. $1,600,000. Noted Dec. 30.

Ill., Chicago—APARTMENT HOTEL—H. Dalsey, archt., 64 West Randolph Ave., rein.-con., masonry, piling and excavation contract 12 story and basement, 40 x 100 ft., rein.-con., brick and terra cotta, 11-13 Division St., to Paschen Bros., 111 West Washington St., for M. K. Wolf, c/o architect. Archts. est. $500,000. Noted Feb. 3.

Ill., Chicago — APARTMENT — Crilly & Dunham, 6843 Stoney Island Ave., masonry contract 3 story, 98 x 150 ft., 7541-51 Cornell Ave., to Olsen & Berg, 7957 Rhodes Ave.; carpentry contract, to Gustafson & Johnson, 1630 East 70th St. Archts. est. $175,000.

Ill., Chicago — APARTMENT—Venetian Garden Building Corp., 6721 North Clark St., masonry contract 3 story and basement, 105 x 134 ft., brick, 1540-08 Sherwin Ave., to Shellberg Constr. Co., 6712 North Clark St. Archts. est. $275,000. Noted Dec. 2.

Ill., Chicago—BANK and OFFICE—City State Bank, 130 North Wells St., general contract 23 story and basement, 80 x 80 ft., rein.-con., steel, stone and terra cotta, 126-28 North Wells St., to Dilks Constr. Co., 160 North La Salle St. Archts. est. $2,500,000.

Ill., Chicago—BANK and OFFICE—D. H. Burnham & Co., archts., 160 North La Salle St., general contract 8 story and basement, 75 x 175 ft., brick and stone, Madison St. and Crawford Ave., to J. L. Simmons Co., 549 West Washington St., for Garfield Park Savings Bank, 4004 West Madison St. Archts. est. $800,000. Noted Feb. 3.

Ill., Chicago—HOSPITAL—Belmont Hospital, Inc., 3719 North Crawford Ave., masonry and carpentry contract 6 story, 79 x 85 ft., brick, 4052-56 Melrose Ave., to O'Neil Constr. Co., 19 South La Salle St. Archts. est. $235,000.

Ill., Chicago—OFFICE and STORE—H. Paschen, 111 West Washington St., general contract 23 story and tower, 84 x 131 ft., rein.-con., brick, steel and probably terra cotta, Michigan Ave. and East South Water St., to Paschen Bros., 111 West Washington St. Archts. est. $2,000,000.

Wis., Milwaukee—HOTEL—Holabird & Roche, archts., 104 South Michigan Ave., Chicago, Ill., general contract 15 story and basement, 150 x 200 ft., rein.-con., brick, steel and terra cotta, Grand Ave., here, to W. W. Oeflein, Inc., 86 Michigan St., for Schroeder Hotel Co., 86 Michigan St. Archts. est. $3,000,000. Noted Dec. 16.

Mo., Kansas City—APARTMENT—C. O. Jones, 402 Continental Bldg., will build 3 story and basement, rein.-con. and brick, 48th and Summit Sts., by day labor. N. E. Peters, Orear Leslie Bldg., archt.

Mo., Kansas City — APARTMENT and APARTMENT HOTEL — C. E. Phillips, 609 Victor Bldg., will build 5 story and basement, brick and stucco apartment hotel, by day labor. To exceed $150,000. Private plans.

Mo., St. Louis—OFFICE—E. M. Tucker, archt., c/o Missouri Pacific R.R. Co., (owner), Ry. Exch. Bldg., approximately 4,000 tons structural steel, for 22 story, 40 ft. tower and basement, 100 x 293 ft., rein.-con., brick, stone, steel and granite office, incl. power plant, etc., 13th, Pine and Olive Sts., to Amer. Bridge Co., 506 Olive St. Archts. total est. $2,000,000. E. A. Hadley, c/o owners, ch. engr. Noted Jan. 27.

Calif., Beverly Hills—APARTMENT—M. E. Blank, 272 South Canon Dr., will build 3 story and basement, brick, Irolo St., by day labor. $150,000. A. LeBrun, 407 Palmer Bldg., Hollywood, archt.

Calif., Glendale—APARTMENTS—H. H. Howard, 216 North Brand Blvd., will build two 3 story, 45 x 108 ft., brick, Edgewood Pl., by day labor. To exceed $150,000.

Calif., San Francisco—APARTMENT—W. Van Herrick, 2508 Lake St., will build 6 story and basement, rein.-con., Fell and Franklin Sts., by day labor and sub-contracts. $160,000.

Buildings—Industrial

Proposed Work

Mass., Medford (br. Boston)—REPAIR and SERVICE GARAGE—S. Weinstein, 1 Austin Park, Cambridge, having sketches made by C. Springall, 50 Concord St., Malden, 1 story, 90 x 200 ft., brick and cast stone, plain foundation, 125 Salem St. $50,000.

Mass., Salem—SWITCH HOUSE—Salem Electric Co., soon lets contract 2 story, 20 x 65 ft., brick, rein.-con. and steel addition, Lafayette St. $40,000. C. H. Tenney & Co., 200 Devonshire St., Boston, archts. Noted Dec. 23.

N. Y., Newark—LAUNDRY—Dept. Mental Hygiene, Capitol, Albany, takes bids in May, laundry for Newark State School for Mental Defectives, here. S. W. Jones, Capitol, Albany, state archt.

N. Y., New York—SERVICE, REPAIR SHOP and GARAGE — Consolidated Gas Co., 130 East 15th St., soon takes bids rein.-con., brick and steel, plain foundation, East 57th St. $200,000. Private plans. Noted Oct. 28.

N. Y., Raybrook—POWER HOUSE—Dept. Charities, Capitol, Albany, takes bids in May, power house, storehouse, elevator penthouse extension, etc. at State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here. S. W. Jones, Capitol, Albany, state engr.

Pa., Phila.—DRESS FACTORY—C. E. Wunder, archt., 1520 Locust St., soon lets contract 2 story and basement, 75 x 75 ft., rein.-con. and brick addition, plain foundation, 25th and Fox Sts., for Rosenau Bros., 25th and Fox Sts.

Pa., Pittsburgh—WAREHOUSE—Point Impvt. Co., c/o Hunting, Davis & Dunnells, archts., Century Bldg., having preliminary plans prepared 9 story and basement, 130 x 329 ft., brick, concrete and steel, Dasher and Cremo Sts. $100,000.

Md., Baltimore—SERVICE—Neill Buick Co., Maryland and Mt. Royal Aves., had plans prepared by C. M. Anderson, 9 East Pleasant St., 3 story, irregular shaped, brick and steel, plain foundation, Sisson and 26th Sts. $100,000.

Va., Richmond—POWER SUB-STATION—Virginia Electric & Power Co., 7th and Franklin Sts., having plans prepared 3,000 hp. sub-station. $50,000. W. C. Bell, gent. mgr.

Fla., Tallahassee — GAS PLANT — See "Sewers."

O., Cleveland — FACTORY — Machine Products Co., E. H. Browning, vice pres.-secy., East 179th St. and St. Clair Ave., plans brick and steel factory. $50,000. Engineer and architect not selected.

O., Cleveland—POWER SUB-STATIONS—Cleveland Railway Co., C. Stanley, purch. agt., Hanna Bldg., having plans prepared by L. D. Bale, engr. and archt., c/o owner, 2 brick, steel and concrete power sub-stations. $500,000.

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Buildings—Industrial (Continued)

Ind., Hammond — POWER and HEATING PLANT—Harter Industrial Dist., C. Retz, mgr., purchased 15 acres and had plans prepared brick and steel central power and heating plant, 151st St. and Columbia Ave. $1,500,000. Private plans.

Ind., Indianapolis — FACTORY — Beveridge Paper Co., S. B. Sutphin, pres., 717 West Washington St., having plans prepared by Mothershead & Fitton, 542 North Meridian St., 2 story and basement, rein.-con., brick and steel factory. $45,000.

Mich., Detroit — STORAGE WAREHOUSE — Detroit Ry. & Harbor Terminals Co., West Jefferson and Clark St., had plans prepared by A. Kahn, 1000 Marquette Bldg., rein.-con. and brick, plain foundation, West Jefferson St., also 280 ft. rein.-con. and timber dock, 1,770 ft. railroad track addition. $200,000.

Ill., Chicago — PRINTING PLANT and OFFICE — Chicago Daily News, 15 North Wells St., having sketches made 8 story (ultimately 24 to 26 story) 100 x 400 ft. printing plant and office building, Madison Ave., Canal and Washington Sts. $20,000,000. Engineer and architect not announced.

Ill., Troy—POWER PLANT—City having preliminary plans prepared complete electric light and power plant, and electric distribution system. $65,000. Edward Flad & Co., 916 Chemical Bldg., St. Louis, Mo., engrs.

Ill., Springfield — INDUSTRIAL—Baker Mfg. Co., E. E. Staley, pres., 1500 South 6th St., plans addition. $40,000. Engineer and architect not selected.

Ia., Eagle Grove — POWER PLANT — Election Feb. 18, $65,000 bonds, complete power plant and electric distribution system. H. L. Cory & Co., Aberdeen, S. D., engr. Noted Dec. 30.

Neb., Fremont—POWER PLANT—Soon takes bids improving and enlarging municipal light and power plant. $150,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., consult. engrs.

Ark., Fairfax — HYDRO-ELECTRIC PLANT—State Drainage Bd., Capitol, Oklahoma City, D. E. Johnson, member, having preliminary surveys made new 20,000 hp. hydro-electric plant on Arkansas River, near here. $3,000,000. T. C. Hughes, 205 Cole Bldg., Tulsa, Okla., engr.

Tex., Weslaco—GARAGE—Weslaco Auto Co., soon lets contract 2 story, rein.-con., brick and stone, plain foundation. $50,000. R. H. Cameron, 116 City Natl. Bank Bldg., San Antonio, archt.

Que., Three Rivers—GAS PLANT—Plans gas plant and distributing system throughout city. $1,000,000. P. J. Courteau, 103 Francis Xavier St., Montreal, engr.

Que., Three Rivers—MILL—Paper Mchy. Ltd., c/o Canada Iron Co. Ltd., plans 2 story, 75 x 150 ft., rein.-con., brick and steel, plain foundation, St. Maurice St. $200,000. L. W. G. Hellstrom, Three Rivers, engr.

Ont., Cochrane—NEWSPRINT MILL—Abitibi Power & Paper Co., Iroquois Falls, soon takes bids 200 ton newsprint mill, here. Noted Dec. 30.

Ont., Hamilton—BAKERY and WAREHOUSE—Ideal Bread Co., 13 Sanford Ave., having plans prepared by S. Comber, 284 Beaver Hall Hill, Montreal, Que., 2 and 3 story, rein.-con., brick and steel, plain foundation, King St. and Sanford Ave. $150,000.

Ont., Hamilton—FOUNDRY—Gartshore-Thomson Pipe & Fdry. Co., Ltd., having plans prepared 1 story, rein.-con., brick and steel, plain foundation. $150,000-$200,000. Private plans.

Ont., Lakefield — PLANT — Canada Cement Co. Ltd., Phillips Sq., Montreal, plans constructing plant consisting 10 buildings, here. $1,000,000.

Bids Desired

Mass., Waltham (Ind. br. Boston)—FACTORY—J. L. Thompson Mfg. Co., Roberts Sta., taking bids altering and constructing 3 story, 50 x 125 ft. addition. $50,000. A. F. Gray, 53 State St., Boston, archt. Noted Feb. 3.

Pa., Phila. — BOILER HOUSE — See "Buildings—Educational, Religious."

Md., Hagerstown—LIGHT PLANT—Feb. 15 (extended date), by L. T. Klauder, engr., Bankers Trust Bldg., Phila., Pa., 2 story and basement, 123 x 163 ft., rein.-con., brick and steel, plain foundation, here, for City. Noted Jan. 27.

Miss., Tupelo—PLANT—See "Contracts Awarded."

Ind., Indianapolis—SERVICE and MACHINE SHOP—Library Realty Co., State Saving & Trust Bldg., taking bids 1 story and basement, 62 x 160 ft., rein.-con., brick and steel service and machine shops. Vonnegut, Bohn & Mueller, Indiana Trust Bldg., archts. Reo Auto Co., 927 North Meridian St., lessee.

Ind., Terra Haute — COLD STORAGE PLANT—Wadley Co., 1st and Poplar Sts., taking bids 3 story and basement, 90 x 191 ft. cold storage plant, rein.-con., brick and steel. $150,000. G. Lehle, 3810 Bway., Chicago, Ill., archt.

Neb., Crete — POWER PLANT — Feb. 19, by C. E. Beals, city clk., power plant, incl. 400 hp. and 1,300 hp. oil engines, direct connected to 375 kva. and one 312 kva. generators, etc. $74,900. H. A. Davis, Crete, engr.

Calif., Los Angeles—FACTORY—P. D. Burtt, engr., c/o Illinois-Pacific Glass Co., 15th and Folsom Sts., San Francisco, taking bids 1 story, 80 x 320 ft., brick and steel, Fruitland Ave., here, for Illinois Pacific Glass Co., 1717 Industrial St.

Contracts Awarded

Mass., Brookline (br. Boston)—REPAIR and SERVICE GARAGE—M. W. Quinlan, 264 South Huntington Ave., Jamaica Plain, 1 story, rein.-con., Boylston St., to Hub Constr. Co., 333 Washington St., Boston. Archts. est. $40,000.

Mass., Cambridge (Boston P. O.) — WAREHOUSES and BOILER HOUSE—H. F. Stimpson, 10 Temple St., 1 and 2 story, 120 x 215 ft., 150 x 152 ft., and 25 x 50 ft., brick, Sydney and Emily Sts., to Scully Co., 288 Main St. Archts. est. to exceed $150,000. Noted Jan. 27.

Mass., Dorchester (Boston P. O.)—FACTORY — Joseph Pollak Tool & Stamping Co., Inc., 81 Freeport St., 3 story, 50 x 70 ft., brick addition, plain foundation, Freeport St., to C. C. Temple Co., 99 Chauncy St., Boston. Noted Jan. 13.

Mass., Needham—SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., Boston, Sub-Station 148, 1 story, rein.-con., brick and stone, plain foundation, Chestnut St., to W. H. Bailey Co., 88 Broad St., Boston. Archts. est. $40,000. Noted Jan. 27.

Mass., Watertown—FACTORY—Bon Ton Carpet Cleaning Co., 55 Holland St., Somerville, 2 story, 30 x 100 ft., and 10 x 30 ft., brick, plain foundation, Coolidge Hill, to Frankini Bros., 30 Mystic Ave., Medford. Archts. est. $40,000.

Pa., Phila.—MACHINE SHOP—University of Pennsylvania, 34th and Spruce Sts., 1 story and basement, 40 x 93 ft., rein.-con., brick and steel addition, plain foundation, 36th and Walnut Sts., to Monaghan & Losse, 3016 Chestnut St.

Pa., St. Marys — CLAY PRODUCTS PLANT — St. Marys Sewer Pipe Co., general contract 1 story, approximately 300 x 300 ft., brick and steel, here, to H. Foulkrod Co., Stevenson Foster Bldg., Pittsburgh. Engrs. est. $100,000. Noted Jan. 27.

Del., Wilmington—LINOLEUM PLANT—J. F. Darling, Inc., 253 36th St., Brooklyn, N. Y., 1 story, 230 x 525 ft., rein.-con. and steel, here, to Karno Smith Constr. Co., Broad Street Bank Bldg., Trenton, N. J. Noted Nov. 25.

Miss., Tupelo — PLANT — Carnation Milk Products Co., S. McNees, local mgr., will build 2 story, 90 x 300 ft., rein.-con. plant, by day labor. Private plans.

Ind., Hammond—FACTORY—Harter Industrial Dist., C. Retz, mgr., 1 story, 150 x 350 ft., brick and steel factory, to W. Collins, Hammond. Archts. est. $150,000. Anderson & Vaile Stamping Co., Hammond, Ind., and Harvey, Ill., lessee.

Ind., Hammond—FACTORY—Harter Industrial Dist., C. Retz, mgr., 1 story, 100 x 200 ft., rein.-con., brick and steel factory, to W. Collins, Hammond. Archts. est. $60,000. Victor Garment Co., Muncie, lessee.

Ind., Hammond—MACHINE SHOP and GARAGE—Rimbach Estate, brick and steel machine shop and garage, Sibley St., to W. Collins, Hammond. Archts. est. $42,000.

Ind., Indianapolis—FOUNDRY—Universal Brass Works, 29th and Martindale Sts., general contract 1 story, 102 x 163 ft., brick and steel foundry, to J. E. Mcgaughey, 322 Amer. Central Life Bldg. Archts. est. $43,000.

Wis., Waukesha — SHOP — Waukesha Motor Co., West St. Paul Ave., general contract 1 story, 90 x 155 ft., brick and steel addition, to G. Ward, 334 Maple St.; and structural steel, to Wisconsin Bridge & Iron Co., North Milwaukee. Archts. est. $50,000.

Mo., St. Louis—BOILER HOUSE—See "Buildings—Commercial."

Ark., Prescott—ICE PLANT—Southern Ice & Utilities Co. of Texas, Sante Fe Bldg., Dallas, Tex., rein.-con. and steel plant, here, to E. W. Spoul Co., 2001 West Pershing Rd., Chicago, Ill. Archts. total est. $150,000. Noted Jan. 13.

Tex., Dallas—SERVICE STATION and OFFICE—Oriental Oil Co., Wilson Bldg., 2 story, 85 x 132 x 158 ft., to Churchill Humphreys Co., 207 Magnolia Bldg.

Tex., San Antonio — BAKERY — Feb. Baking Co., 1919 Comal St., general contract 2 story, 140 x 200 ft., rein.-con. brick and stucco, plain foundation, 1919 Comal St., to Fogel Constr. Co., c/o Archts. total est. $125,000. Noted Dec. 16.

Tex., San Antonio—COTTON OIL MILL—San Antonio Oil Wks., 411 North Cherry St., 2 story, 42 x 130 ft., concrete and brick, to McKenzie Constr. Co., c/o Travis Bldg., $38,640. Noted Jan. 6.

Okla., Ponca City — FLOUR MILL — Ponca City Milling Co., general contract 6 story and basement, 32 x 76 ft., rein.-con. and brick mill, to C. M. Dunning Constr. Co., 420½ North Hudson St., Oklahoma City. Engrs. est. $50,000. Noted Feb. 3.

Wash., Tacoma — LAUNDRY — Superior Serv. Laundry Co., general contract laundry, here, to Austin Co., South Tacoma Way and Ferry St. $150,000.

Calif., Berkeley — PACKING PLANT — Heinz Corp., 217 2nd St., San Francisco, 1 story, 160 x 400 ft., brick, steel and concrete, Ashby and San Pablo Aves., to Austin Co. of California, 244 Kearny St., San Francisco.

Buildings—Educational, Religious

Proposed Work

N. H., Lebanon — CHURCH — Sacred Heart Parish, J. H. Hogan, 64 School St., plans 1 and 2 story and basement, brick and stone church. $150,000. Engineer and architect not selected.

Vt., Whitingham — HIGH SCHOOL — Town, School Bd. plans 2 story and basement high and grade school. $150,000 or more. Engineer and architect not selected.

Mass., Amherst—FRATERNITY—Alpha Delta Psi Fraternity having plans prepared by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, 3 story and basement, brick and stone, plain foundation. $150,000.

Mass., Lynn—CONVENT—Sacred Heart Parish (Roman Catholic), J. A. Sheridan, pastor, 571 Boston St., plans 2 story and basement, brick, 570 Boston St. $150,000. Engineer and architect not selected.

Mass., South Attleboro — CHURCH and PARSONAGE—Bethany Chapel Assn., P. Wing, chn., plans church and parsonage. $150,000 or more. Engineer and architect not selected.

Mass., Worcester—SCHOOL—City, Pub. Buildings Dept., City Hall, having plans prepared by E. T. Chapin, 340 Main St., 2 story and basement, brick and steel, Lee St. $150,000.

Mass., Worcester—SCHOOL—City, Pub. Buildings Dept., City Hall, having plans prepared by J. Rustigian, 16 Norwich St., 2 story and basement, brick and steel addition, Adams St. $150,000.

Mass., Worcester — TEMPLE — Temple Emanuel Congregation, D. B. Isenberg, 390 Main St., plans temple. $150,000 or more. Engineer and architect not selected.

R. I., Central Falls—CHURCH—St. Mathieu's Parish, J. A. Laliberte, pastor, soon lets contract 1 story and basement, 130 x 200 ft., brick and stone, West Hunt, Dexter and Lonsdale Sts. $400,000. W. F. Fontaine, 285 Main St., Woonsocket, archt. Noted Nov. 18.

R. I., Providence—HIGH SCHOOL—City, Pub. Building Dept., City Hall, plans Junior High School, Hartford St. and Laurel Hill Ave. $150,000 or more. T. J. H. Pierce, 275 Washington St., archt.

R. I., Providence—HIGH SCHOOL—City, Pub. Buildings Dept., having preliminary plans prepared Edith Hopkins Junior High School, 2 story and basement, brick and stone, plain foundation, Charles St. $150,000 or more. T. J. H. Pierce, City Hall, engr.

R. I., Woonsocket—CHURCH—Roman Catholic Diocese of Providence, W. A. Hickey, pastor, 3 Fenner St., Providence, plans church, Chipman's Corner. To exceed $150,000. Engineer and architect not selected.

Conn., Hartford — GYMNASIUM — City, South School Dist., having plans prepared by Whiton & McMahon, 805 Main St., 2 story, rein.-con., brick and steel, incl. swimming pool, gymnasium and auditorium. John St. $150,000.

N. Y., Far Rockaway—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York City, soon takes bids brick, steel and stone, plain foundation, Connage Ave. $1,500,000. W. H. Gompert, Flatbush Ave. extension, Brooklyn, engr. and archt. Noted Dec. 16.

Pa., Bethlehem — NURSES TRAINING SCHOOL — St. Lukes Hospital, 41 East Market St., having plans prepared by Rit-

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Buildings—Educational, Religious (Cont.)

Day & Shay, Packard Bldg., Phila., 3 story, rein.-con., brick and steel, plain foundation. $300,000.

Pa., Mercersburg—ACADEMY—Mercersburg Academy, W. Mann, pres., having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., 3 story and basement, 45 x 150 ft. and 45 x 100 ft., fireproof academy.

Pa., Wilkes-Barre — HIGH SCHOOL — Wilkes-Barre School Bd. having plans prepared by R. Ireland, Wilkes-Barre, 3 story and basement, 184 x 492 ft., rein.-con. and brick, plain foundation, Kerry St.

Pa., Williamsport—CHURCH—Lutheran Church of Redeemer, C. H. Brosius, pastor, Washington and Sherman Sts., plans 2 story and basement, 60 x 100 ft., rein.-con., brick and steel, Washington St. $150,000.

Md., Baltimore—CHURCH—St. Ambrose Roman Catholic Church, H. J. Monaghan, pastor, Park Heights and Wylie Ave., having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 2 story, irregular shaped, brick and stone, plain foundation, here, Park Heights and Wylie Aves. $200,000.

Md., Baltimore — ART MUSEUM—Municipal Art Museum having plans prepared by J. R. Pope, 542 5th Ave., New York City, brick, steel, Indiana lime stone, marble and terrazzo, plain foundation, Wyman Park. $1,000,000.

D. C., Wash.—HIGH SCHOOLS—District Comrs., District Bldg., takes bids about Mar. 1, 3 story business high school, Allison, Iowa, Uphur and 13th Sts.; Junior High School and Assembly Hall, 2 story and basement 54 x 200 ft., $475,000; and Garnett Patterson School, 3 story, 75 x 200 ft., 10th and U Sts. N. W., $475,000. All brick and limestone. A. L. Harris, District Bldg., archt. S. F. Taliaferro, District Bldg., engr.

O., Cleveland Heights (Warrensville P. O.)—CHURCH and SUNDAY SCHOOL—Heights United Presbyterian Church, J. M. Blackwood, pastor, 2272 Tullamore Rd., Cleveland, having plans prepared by C. N. Lowe, 12429 Cedar Rd., Cleveland, 1 story and basement, limestone and steel, Lee Rd. and Washington Blvd., here. $150,000.

O., Hudson—SCIENCE—Hiram College having sketches made by A. Garfield, Natl. City Bldg., Cleveland, 3 story and basement, brick, steel and concrete science building. $200,000.

Ind., Lafayette — SCHOOL — School Comrs. take bids after Mar. 1, brick and steel grade school. $152,000. R. W. Noland, Lafayette Life Bldg., engr. F. P. Reidel, 823 Lafayette Life Bldg., archt. Noted July 29.

Ind., Muncie — CHURCH — Methodist Episcopal Church, High and Adams Sts., takes bids about Feb. 15, 3 story and basement, 125 x 165 ft., steel and stone church, incl. 6 Sunday school rooms. $250,000. Houck & Smenner, 108 East Washington St., archts. G. Jansson, 740 North Rush St., Chicago, Ill., superv. archt. Noted Dec. 30.

Mich., Detroit — CHURCH — Central Woodward Christian Church, N. Bentley, pres. council, 1160 Chicago Blvd., had plans prepared by W. E. N. Hunter, 2457 Woodward Ave., 2 story and basement, 100 x 175 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. $500,000. Noted Jan. 21.

Ill., Charleston — HIGH SCHOOL — Charleston Pub. Schools, O. C. Hostetler, supt., having preliminary plans prepared rebuilding 3 story, rein.-con., brick and stone high school, recently destroyed by fire. $150,000. Engineer and architect not selected.

Ill., Springfield—CATHEDRAL—Springfield Diocese of Roman Catholic Church, c/o Chancery Office, 715 East Monroe St., soon takes bids 1 and 2 story and basement, rein.-con., brick, steel and stone, South 5th St. $1,000,000. J. W. McCarthy, 139 North Clark St., Chicago, archts. Noted Dec. 16.

Ill., Springfield—HIGH SCHOOL and CONVENT—Springfield Diocese of Roman Catholic Church, c/o Chancery Office, 715 East Monroe St., soon takes bids 2 story and basement, rein.-con., brick and stone, South 6th St. $175,000. J. W. McCarthy, 139 North Clark St., Chicago, archt. Noted Sept. 16.

Wis., La Crosse — HIGH SCHOOL — Diocese of La Crosse, A. J. McGavick, pastor, takes bids about Apr. 1, Parochial High School, 2 story and basement, 80 x 170 ft., rein.-con., brick and stone, plain foundation. $175,000. Parkinson & Dockendorff, Linker Bldg., archts. Noted Jan. 13.

Mo., Columbia—CHURCH and SOCIAL CENTER—First Baptist Congregation, L. W. Smith, pastor, soon takes bids 3 story and basement, 125 x 180 ft., rein.-con., brick and stone, Bway. and Waugh St.

Mo., Kansas City — MONASTERY — Catholic Sisters of Notre Dame De Sion, c/o M. Carroll, archt., 501 Ridge Bldg., having plans prepared rein.-con. monastery (school), here. $250,000.

Mo., St. Louis — CHURCH — St. James Roman Catholic Parish, c/o P. J. O'Connor, pastor, 1360 Tamm Ave., having preliminary plans prepared by O'Meara & Hills, 1705 Arcade Bldg., 1 story and basement, rein.-con. and stone, concrete foundation, Tamm Ave. $150,000.

Tex., Amarillo—CHURCH—First Baptist Church, c/o G. L. Yates, pastor, having plans prepared by G. A. Carlander, 15 Massie Bldg., 2 story and basement, fireproof. $350,000. Noted Jan. 27.

Tex., Houston—CHURCH—C. C. Bulger Co., archts., 207 Constr. Industries Bldg., Dallas, soon take bids 3 and 4 story, 80 x 144 ft. church, here, for Baptist Church, 318 Andrews St. $150,00.

Tex., McCamey — SCHOOL — Bd. Educ., c/o F. E. Gibbons, doctor, plans school $125,000 or $150,000.

Ore., Portland—SCHOOL—School Dist. 1, Administration Bldg., having plans prepared by G. H. Jones, East 7th and Clackamas Sts., Girls Polytechnic School, East 26th and Couch Sts. $360,000.

Calif., Campbell — HIGH SCHOOL — Campbell Union High School Dist. plans election $150,000 or more bonds, fireproof high school.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. having plans prepared by Noerenberg & Johnson, Los Angeles Railway Bldg., 3 story, 60 x 200 ft. top addition with 40 x 50 ft. wing, rein.-con., Hill and 16th Sts. $330,000.

Que., Three Rivers—SCHOOL—School Comm. had plans prepared by Asselin & Denoncourt, 136 Notre Dame St., 3 story, 80 x 100 ft., rein.-con. and brick school. $160,000. Z. Lambert, city engr.

Ont., Mimico — HIGH SCHOOL — High School Bd. having plans prepared by Burden & Gouinlock, 101 King St. W., Toronto, 2 or 3 story and basement, rein.-con., brick and steel addition to Central Ave. High School, plain foundation, Central Ave. $150,000.

Ont., Toronto — CHURCH — Bond St. United Church, Bond St., plans 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Hillsdale Ave. and Oriole Parkway. $150,000. Engineer and architect not selected.

Ont., Toronto — SCHOOL — Separate School Bd., 477 Jarves St., purchased site and plans 2 story and basement, rein.-con., brick, steel and terrazo, plain foundation, Mortimer Ave. $150,000. Engineer and architect not selected.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, rein.-con., brick and steel, plain foundation, Downtown Section. $200,000-$300,000.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, rein.-con., brick and steel, plain foundation, St. Clements Ave. $150,000.

Bids Desired

R. I., Pawtucket — AUDITORIUM — St. Josephs Roman Catholic Church, c/o J. F. Hogan, archt., 314 Grosvenor Bldg., Providence, taking bids brick auditorium. $150,000 or more.

Conn., New Haven — LABORATORY — Trustees Yale University taking bids brick, steel and stone laboratory. To exceed $150,000. H. C. Pelton, 415 Lexington Ave., New York City, archt. Noted Oct. 21.

N. Y., Brooklyn — SCHOOL—Mar. 3, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 115, East 92nd St. and Avenue M, Canarsie for Bd. Educ., 500 Park Ave., New York City. Noted Oct. 21.

Pa., Phila. — COLLEGE and BOILER HOUSE — Feb. 11, by N. Hulmn, archt., 1524 Chestnut St., 3 story and basement, 62 x 141 ft., 94 x 134 ft. and 62 x 141 ft. college, and 1 story, 40 x 61 ft. boiler house, both rein.-con., brick and steel, 43rd and Kingsessing Sts., for Phila. College of Pharmacy & Science, 145 North 10th St. Noted Nov. 11.

Miss., Columbus — COLLEGE—Feb. 12, by Mississippi State College rein.-con., brick and stone administration and gymnasium buildings; also remodeling library $310,000. P. J. Krouse, Miazza Woods Bldg. Meridian, archts.

O., Hudson—HIGH SCHOOL—Feb. 21, by Bd. Educ., B. S. Hanford, clk., 2 story and basement, 150 x 202 ft., brick, steel and concrete high school. $250,000. Miller & Son, 12 West Madison Ave., Youngstown, archts.

Mich., Highland Park (br. Detroit) — CHURCH—Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., Detroit, taking bids and open same about Feb. 17, 2 story and basement, 115 x 140 ft., rein.-con., brick and steel, plain foundation, here, for Highland Park Baptist Church. $200,000. Noted Oct. 7.

Ark., Little Rock—CHURCH—Immanuel Baptist Congregation, c/o J. H. Estes, chn., 719 Battery, taking bids 3 story and basement, 45 x 174 ft., and 70 x 82 ft., rein.-con., brick, steel and stone 10th and Bishop Sts. $150,000. Mann & Stern, 708 A. O. U. W. Bldg., archts. Noted Sept. 16.

Tex., Amarillo—CHURCH—Feb. 21, by J. R. Smith, associated archt., general contract 140 x 200 ft., rein.-con., brick, plain foundation, Polk St., for Polk St. Methodist Episcopal Church, E. C. Lamb, chn. building com. $300,000. R. H. Hunt & Co., 1407 Southwest Bldg., Dallas, archts.

Calif., Los Angeles—HIGH SCHOOL—Feb. 16, by Bd. Educ., 2 story, 100 x 125 ft., brick and concrete, incl. auditorium, 2,000 seating capacity, Franklin High

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Buildings—Educational, Religious (Cont.)

School site. $220,000. Jeffery & Schaefer, 1104 Kerckhoff Bldg., archts. Noted Dec. 30.

Bids Received

Pa., Phila.—HIGH SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, Junior High School, general contract 3 story and basement, 183 x 291 ft., rein.-con. and brick, plain foundation, Cottman and Loretto Sts., from McCloskey Co., 1620 Thompson St., $978,471; plumbing, from Bulman Bros., 5th and Cumberland Sts., $41,854; electrical work, from Walker & Kepler, 531 Chestnut St., $48,033; and heating, from McClintock Co., 5608 Race St. $35,495. Noted Jan. 27.

Fla., Miami—HIGH SCHOOL—Dade Co. Bd. Pub. Instruction, Central School Bldg., 69 Northeast 3rd St., Jan. 24, Senior High School, 4 story and basement, 200 x 400 ft., rein.-con. and brick, plain foundation, Southwest 24th Ave. and 1st St., from Natl. Constr. Co., Atlantic Natl. Bank, Jacksonville, $964,925. Noted Jan. 6.

Okla., Ponca City—HIGH SCHOOL—Bd. Educ., C. E. Norton, city clk., Jan. 29, 3 story and basement, 138 x 170 ft., rein.-con., brick, stone and terra cotta, plain foundation, from G. M. Robertson, 3133 Dudley St., Lincoln, Neb., $214,512. Noted Jan. 20.

Calif., Claremont—CHURCH—Allison & Allison, archts., Hibernian Bldg., Los Angeles, general contract rein.-con. church, from J. F. Kobler, 932 South Rimpau Blvd., Los Angeles, for Claremont Community Church, $105,989. Noted Dec. 2.

Contracts Awarded

Mass., Jamaica Plain (Boston P. O.)—HIGH SCHOOL — St. Thomas Roman Catholic Church, E. J. Moriarty, pastor, 97 South St., 2 story and basement, 65 x 190 ft., brick and limestone, plain foundation, 19 St. Joseph St., to J. Griffin Co., 19 Exchange St., Boston. Archts. est. $150,000.

N. J., Atlantic City—ADMINISTRATION—Bd. Educ., H. H. Young, secy., 3 story and basement, 47 x 120 ft., rein.-con., brick and steel, plain foundation, to S. H. Headley, Guarantee Trust Bldg., $194,900. Noted Dec. 2.

Miss., Tupelo — HIGH SCHOOL — Bd. Educ., 2 story, 184 x 206 ft., brick and stone, incl. auditorium, gymnasium, etc., to K. Langston, Murray, Ky. Archts. est. $150,000. Noted Dec. 30.

Tenn., Memphis — CHURCH — Idlewild Presbyterian Church, G. S. Frazer, pastor, 165 x 400 ft., stone church with large tower, Union Ave. between Auburndale and Evergreen Sts., to B. E. Buffaloe Co., Memphis. Archts. est. $700,000.

O., Barberton — SCHOOL — Bd. Educ., general contract 2 story and basement, 61 x 153 ft. and 62 ft. wing, brick and steel, incl. auditorium, gymnasium, concrete foundation, Oakdale and Cassel Sts., to Bernard Constr. Co., 221½ 3rd St., $87,550. Noted Jan. 20.

O., Sandusky — HIGH SCHOOL — Bd. Educ., Junior High School, 2 story and basement, 99 x 190 ft., brick and stone, to Zieher & Miller, Sandusky, $198,300. Noted Feb. 3.

Calif., Claremont — DORMITORY — Scripps College for Women, Claremont, 2 and 3 story, 145 x 190 ft., rein.-con., tile and stone, at college, to Wurster Constr. Co., 810 South Spring St., Los Angeles, $172,600. Noted Jan. 13.

Federal Government Work

Proposed Work

C. Z., Darien—Water Purification Plant—Spec. 5240—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water purifications plant, incl. filter, motor driven centrifugal pump, chemical feeds, chlorinating apparatus, etc., here.

Bids Desired

Mass., Buzzards Bay—Removing Wreck—Feb. 25, by U. S. Engineer Office, Providence, R. I., removing wreck of coal Barge 45, from Buzzards Bay, near Dumpling Rock Light; adv. E. N.-R. Feb. 10.

N. Y., Albany—Dredging—Mar. 10, at U. S. Engineer Office, 710 Army Bldg., Whitehall St., New York City, dredging in Hudson River about 4 mi. below here; adv. E. N.-R. Feb. 10. Noted Oct. 7.

Pa., Pittsburgh—Lock—Mar. 9, by U. S. Engineer Office, constructing Lock 6, in Allegheny River; adv. E. N.-R. Feb. 10.

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D. C., Wash.—Pipe Line—Mar. 4, by U. S. Engineer Office, 1068 Navy Dept. Bldg., pipe line for Arlington Co. Sanitary Dist.; adv. E. N.-R. Feb. 10.

D. C., Wash.—Tow Boat Equipment—Feb. 17, at office A. L. Flint, genl. purch. officer Panama Canal, equipment for tow boats, incl. refrigerating machines, towing machine, peloruses, chronometers, thrust blocks, marine signals and fire nozzles.

Tex., Galveston—Heating System—Feb. 28, by Treas. Dept., at office Supervising Archt., Wash., D. C., heating system at U. S. Quarantine station, here.

Bids Received

Mo., St. Louis—Towboat—U. S. Engineer Office, 428 Customhouse, from C. Ward Eng. Wks., South Side, Charleston, W. Va., one 110 ft. steel hull Diesel electric Boat, with Winton engine $139,900, on gear drive Lombard $136,300, or on chain drive Lombard engine $126,300; from Nashville Bridge Co., foot Shelby Ave., slow speed McIntosh & Seymour Engine $139,800, chain drive Winton engine $13,700, or gear drive Winton engine $136,742. Noted Dec. 9.

Contracts Awarded

Mo., St. Louis—Altering, etc.—U. S. Engineer Office, 428 Custom House, altering, etc., Dredge Fort Gage, to Howard Ship Yards & Dock Co., Jeffersonville, Ind.; and 2 water tube boilers for same dredge, to Powers Specialty Co., 111 Bway., New York City, N. Y. $30,000.

Tex., Fort Sam Houston (sta. San Antonio) — Hangars — Construting Quartermaster, 110 ft. and 66 ft. hangars, to J. W. Zempter & Co., 2204 Strand Ave., Galveston, $18,900 and $8,775 respectively. Noted Jan. 20.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

753—William Randolph Hearst, 37 Riverside Dr., New York City, N. Y.—Wants preliminary permit power project in Port Snettisham, Alaska, within Tongass Natl. Forest, used in connection with proposed pulp and paper mill.

754—California Oregon Power Co., 454 California St., San Francisco, Calif.—Wants license 2.67 mi. transmission line in Siskiyou Co.

755—G. T. Cameron, Chronicle Bldg., San Francisco, Calif.—Wants preliminary permit power project near mouth Speel River Alaska, within Tongass Natl. Forest, used in connection with paper mill.

756—Fargo Eng. Co., 147 South Mechanic St., Jackson, Mich.—Wants preliminary permit power project in Kalamazoo River at Manlius site, Allegan Co.

757—E. G. Hopson, 310 Railway Exch. Bldg., Portland, Ore.—Wants preliminary permit power project in Columbia River, Hood River Co., Ore., and Skamania Co., Wash.

758—I. and J. D. Zellerbach, 534 Battery St., San Francisco, Calif.—Wants preliminary permit power project in vicinity of Revillagigedo Island, Alaska, within Tongass Natl. Forest.

759—Public Serv. Co. of Colorado, 15th and Champa Sts. Denver—Wants license 2 constructed transmission lines, originally under Forest Service permit, in Clear Creek Co. within Pike Natl. Forest.

760—Public Serv. Co. of Colorado, 15th and Champa Sts., Denver—Wants license constructing transmission line in Summit Co., within Leadville Natl. Forest.

761—Turlock Irrigation Dist., Turlock, Calif.—Wants preliminary permit power development, incl. 5 dams with appurtenant structures on Tuolumne River and its tributaries, within Stanislaus Natl. Forest, in Tuolumne and Mariposa Counties.

762—Inland Power & Light Co., Gasco Bldg., Portland, Ore.—Wants license 18 mi. transmission line crossing Nezperce Indian Reservation, in Nezperce Co., Idaho.

763—Hiwassee Power Co., Knoxville, Tenn.—Wants preliminary permit power project, incl. 5 or 6 developments in Hiwassee River, Polk Co., within Cherokee Natl. Forest.

764—Utah Light & Traction Co. and Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah.—Wants license constructing transmission line within Wasatch Natl. Forest, Salt Lake Co.

765—Utah Power & Light Co., Kearns Bldg., Salt Lake City, Utah.—Wants license constructing transmission and telephone lines, within Wasatch Natl. Forest, Utah and Idaho.

766—Silver Spar Mining Co., Idaho Falls, Idaho—Wants preliminary permit power project on Little Wood River, within Sawtooth Natl. Forest, Blaine Co.

767—J. Wittman, 330-5th Ave., New York City, N. Y.—Wants preliminary permit power development in Kirkland Creek, Santa Maria and Bill Williams Rivers in Yavapai, Mohave and Yuma Counties, Ariz.

768—City of Colorado Springs, Colo. Wants license partially constructed power project in Ruxton Creek and tributaries in El Paso and Teller Counties, within Pike Natl. Forest.

769—International Paper Co., Park Ave. and 42nd St., New York City, N. Y.—Wants preliminary permit power development at Port Snettisham, within Tongass Natl. Forest, Alaska.

Unclassified

Proposed Work

Airdrome — Ellsworth, Me. — Eagle Airship Co., J. A. Crane, pres., having sketches made 1 story, 50 x 150 ft., frame and glass airdrome. Private plans.

Swimming Pool—Lewiston, Me.—Bates College, H. W. Howe, treas., College Ave., plans concrete swimming pool. Engineer not selected.

Golf Course, etc.—Salem, Mass.—City, P. G. Pratt, supt. Park Comn., plans golf course and club house. $25,000 or more. Engineer not selected.

Swimming Pool — Hartford, Conn. — See "Buildings—Educational, Religious."

Greenhouse Extensions—Ithaca, N. Y. Dept. Educ., Education Bldg., Albany, takes bids in March, extensions to easterly greenhouse, Cornell University, here. S. W. Jones, Capitol, Albany, state archt.

Exit Facilities and Fire Stops — Kings Park, N. Y.—Dept. Mental Hygiene, Capitol, Albany, takes bids in March, exit facilities and fire stops, at Kings Park State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

Exit Facilities, etc.—New York, N. Y.—Dept. Mental Hygiene, Capitol, Albany, takes bids in April, exit facilities and fire stops, also takes bids in June, new dining room and continuous flow bath building, at Manhattan State Hospital, Wards Island, here. S. W. Jones, Capitol, Albany, state archt.

Exit Facilities, etc.—Poughkeepsie, N. Y.—Dept. Mental Hygiene, Capitol, Albany, soon takes bids exit facilities and fire stops, at Hudson River State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

Coal Tipple—Clearfield, Pa.—Maple Run Coal Co., Kellytown (Clearfield P. O.), J. C. Forsyth, mgr., plans rebuilding mine tipple, steel frame building, incl. boiler room, boilers, recently destroyed by fire. $100,000.

Gas Line—Louisiana—Interstate Gas Co., Ferriday, making plans 22 in. gas main line from field at Monroe to site near Ferriday. $150,000. Private plans.

Grade Elimination, etc.—Columbus, O.—R. H. Simpson, city engr., and W. P. Wiltsee, ch. engr. Norfolk & Western R.R., made plans grade crossing elimination at Bryden Rd., Franklin Park South, Livingston, Clifton, Mt. Vernon and Maryland Aves., Main, Broad and Long Sts., incl. 29,550 cu. yd. excav., 10,796 cu.yd. substructure concrete work, 3,054,000 lb. reinforcing, 11,725 sq.yd. asphalt paving, etc. $1,940,000.

Subway — Youngstown, O. — W. L. Buchanan, 4th Ward Councilman, Grade Elimination Com., City Hall, plans survey for grade elimination, incl. 4,000 ft. tunnel, 4 track wide or alternate plan of moving tracks to other location. Want engineer to make survey.

Swimming Pool — Detroit, Mich. — See "Buildings—Educational, Religious."

Timber Dock — Detroit, Mich. — See "Buildings—Industrial."

Transmission Line—Illinois—See "Contracts Awarded."

Telephone System — South and North Dakota — Dakota Central Telephone Co., Aberdeen, S. D., plans extending lines, also improving central stations, here. $550,000.

Amusement Park — North Kansas City, Mo.—J. A. Miller Co., 7236 East Jefferson St., Detroit, Mich., J. Winn, mgr., North Kansas City, plans pavilions, etc., for amusement park, here. $400,000. Private plans.

Baseball Park—Amarillo, Tex.—Western League Club, c/o E. B. Tracy, mgr., purchased site and plans baseball park, incl. 6,000 seating capacity, rein.-con. and steel grandstands. $60,000. Private plans.

Overhead Crossing—Ft. Worth, Tex.—City, Missouri-Kansas-Texas R.R. Co., F. Ringer, St. Louis, Mo., ch. engr., and Houston & Texas Central R.R. (operated by Southern Pacific R.R., R. W. Barnes, Hous-

Unclassified (Continued)

tech. engr. Texas lines), making preliminary plans rein.-con. and steel overhead crossing over Capps St. $250,000.

Land Development—Mercedes, Tex.—Rio Grande Fruit & Land Co., c/o R. B. Vickers, secy., New Braunfels, plans developing 525 acre plot into citrus orchard, incl. clearing, storage and packing sheds, railroad sidings, roadways, canals, ditches, dwellings, warehouses, etc., near here. $100,000. T. W. Carter, Mercedes, engr.

Land Development—San Benito, Tex.—La Ward Land & Immigration Co., c/o E. M. Clark, mgr., 515 Central Trust Bldg., San Antonio, making plans developing 31,000 acre plot in lower Rio Grande Valley near here, incl. roads $125,000, fencing $25,000. Private plans.

Swimming Pool—Denver, Colo.—Jantzen Knitting Mills, 695 Sandy St., Portland, Ore., having preliminary plans prepared by L. A. Desjardins, Colo. Natl. Bank Bldg., swimming pool, here. $250,000.

Swimming Pool—Tacoma, Wash.—See "Buildings—Commercial."

Pier—San Francisco, Calif.—California State Bd. Harbor Comrs., Ferry Bldg., plans extending Pier 41. $40,000. F. G. White, Ferry Bldg., engr.

Wharf—San Francisco, Calif.—California State Bd. Harbor Comrs., Ferry Bldg., plans Islais Creek Wharf. $250,000. F. G. White, Ferry Bldg., engr.

Transmission Line — Quebec — Electric Serv. Co. (subsidiary Shawinigan Falls Co., 611 Power Bldg., Craig St., Montreal), plans 16 mi. transmission line in Daveluyville, St. Raphael and Maddington Parishes. $40,000. J. Bourgeois Jr., Shawinigan Falls, engr.

Transmission Line—Beauharnois, Que.—Beauharnois Electric Co. plans 10 mi. electric transmission line. $50,000. R. Beaumont, 473 Victoria St., Montreal, engr.

Street Lighting System—Cap de la Madeleine, Que.—Plans street lighting system, incl. 40 c.i. ornamental poles and underground wire. $10,000. R. Morrisette, Cap de la Madeleine, engr.

Grade Crossing Elimination — Quebec, Que.—Voted $250,000 bonds, (approximately $50,000 a year for 5 years), wipe out level grade crossings. J. A. Tremblay, Quebec, engr.

Pier—Quebec, Que.—City plans new ferry landing pier. $65,000. A. R. Decary, Quebec, engr.

Traffic Signals and Fire Alarm System—Quebec, Que.—Voted $15,000, traffic signals, also $15,000, fire alarm system on various streets. J. A. Tremblay, Quebec, engr. Noted Dec. 9.

Asphalt Plant — Quebec, Que. — Voted $30,000, asphalt plant. J. A. Tremblay, Quebec, engr. Noted Dec. 9.

Transmission Line — Route St. Martin, Que. — Electric Service Co., Shawinigan Falls, plans new 24 volt transmission line, steel tower and copper wire, here. $50,000. J. Bourjeois, Shawinigan Falls, engr.

Hydro-Electric Development—Sherbrooke, Que.—City plans hydro-electric development Westbury Basin, near here. $500,000. E. A. Bernard, pres. Bd. Trade, promoter.

Gas Distributing System—Three Rivers, Que.—See "Buildings—Industrial."

Freighters—Collingwood, Ont.—Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbarn, ch. engr., plans 15,000 ton freighters here, to carry grain from Ft. McNicol to Ft. William.

Grain Elevator — McNicol, Ont. — Canadian Pacific R.R., Windsor Sta., Montreal, J. M. R. Fairbarn, ch. engr., plans new grain elevator, here. $1,170,000.

Grain Elevator — Port Arthur, Ont. — Stewart Terminal Elevator Co. having plans prepared rein.-con. addition to grain elevator, pile foundation. $500,000. C. D. Howe & Co., Port Arthur, engrs.

Illuminated Street Signs—Toronto, Ont.—City plans illuminated street signs on various streets. $26,602. R. C. Harris, City Hall, engr.

Subway—Toronto, Ont.—City plans reconstructing Gerrard St. subway at Carlam Ave., incl. paving, concrete retaining walls, concrete abutments, structural steel girders and supports. $312,000. R. C. Harris, City Hall, engr.

Subway—Windsor, Ont.—Plans subway under Canadian Pacific R.R. tracks for extension Ellis Ave. to Tecumseh Rd. $50,000. M. E. Brian, city engr.

Bids Desired

Station Finish—Brooklyn, N. Y.—Feb. 18, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, station finish 5 stations on 14th St.-Eastern Rapid Transit R.R., here.

Signal Towers—Brooklyn, N. Y.—Feb. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, signal towers and gate keepers house, at Coney Island Yard, Avenue X and Shell Rd., here.

Refrigeration Equipment — Creedmoor (mail Floral Park), **N. Y.** — Mar. 2, by Dept. Mental Hygiene, Capitol, Albany, refrigeration equipment, kitchen building, in Brooklyn State Hospital, Creedmoor Div., here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. Feb. 10.

Comfort Station, etc.—New York, N. Y.—Feb. 15, by Park Bd., Dept. Parks, Arsenal Bldg., Central Park, shelter and comfort station in Carl Schurz Park, north of East 84th St.

Fire Alarm System—New York, N. Y.—Feb. 15, by J. J. Dorman, fire comr., Municipal Bldg., portion underground fire alarm system in section bounded by 180th St., Sedgwick Ave., Fordham Rd. and Southern Blvd.; also portion underground fire alarm system, (feeder cables 3 and 4 to Kingsbridge and Williams Bridge), all Bronx Boro.

Pavilion—Oil City, Pa.—Feb. 14, by B. B. Weber, city engr., City Hall, constructing pavilion in Hasson Park, for City.

Causeway—Miami, Fla.—Feb. 23, by Bd. Comrs. Dade Co., at office G. F. Holly, clk., constructing 79th St. causeway across Biscayne Bay connecting cities of Miami and Miami Beach. Kackley & Reynolds, Miami, consult. engrs.

Condensation Pumps, etc.—Indianapolis, Ind.—Feb. 17, by Bd. School Comrs., furnishing installing condensation pumps in Schools 41 and 39; and vacuum pumps at Schools 11 and 12. U. M. Frazer, bus. dir.

Guard Rail and Anchors — Albia, Ia. — Feb. 17, at office Auditor Monroe Co., 20,560 ft. cable guard rail, and 120 anchors on U. S. 34.

Guard Rail and Anchors—Knoxville, Ia.—Feb. 18, at office Auditor Marion Co., 9,150 ft. cable guard rail and 80 anchors on Primary Road 6.

Plumbing, Heating and Wiring — South Bend, Ia.—See "Buildings—Commercial."

Lighting System—Pomona, Calif.—Mar. 1, by T. R. Trotter, city clk., ornamental lighting system, incl. 138 standards on Holt Ave. To exceed $25,000.

Lighting System—Vancouver, B. C.—See "Contracts Awarded."

Bids Received

Lighting System — Inglewood, Calif. — Ornamental lighting system on Market St. between Hillcrest Blvd. and Redondo Blvd., from Los Angeles Electric Wks., 1128 South Los Angeles St., $25,980.

Contracts Awarded

Greenhouse — Williamsport, Pa. — W. J. Evenden Sons, River Ave., part 2 story and basement, 40 x 250 ft., rein.-con., steel and glass, River Ave., to King Constr. Co., North Tonawanda, N. Y. Archts. est. $150,000.

Swimming Pool — Detroit, Mich. — See "Buildings—Commercial."

Transmission Line—Illinois—Union Light & Power Co. of Illinois, 12th and Locust Blvds., St. Louis, Mo., will build 66,000 volt transmission line from Cahokia power plant south of East St. Louis to Venice, and power plant with substations and auxiliary equipment, by day labor. $1,000,000.

Stadium—Lawrence, Kan.—L. L. Dodd, archt., 800 Graphic Arts Bldg., Kansas City, Mo., rein.-con. unit to enclose north end of athletic field, here, to Carrothers & Forsythe, 309 Walsix Bldg., Kansas City, Mo., for University of Kansas. $160,000. Noted Jan. 6.

Turbine and Switchboard — Hastings, Neb.—City, 2,000 kw. turbine and switchboard in power plant, here, to General Electric Co., 419 City Natl. Bank Bldg., Omaha, $40,470.

Underground Conduit—Seattle, Wash.—Bd. Pub. Wks., constructing underground vaults and manholes, installing underground ducts and conduits, etc., in Alley Eight, Howell St., to Ne Page McKenny Co., Hoge Bldg., $53,324.

Bulkhead — San Diego, Calif. — A. H. Wright, city clk., constructing seawall at Mission Beach, Sect. 1, to C. and F. W. Steffgen, Spreckels Bldg., $166,832; and Sect. 2, to Storm & Butts, 521 A St., $45,156. Noted Feb. 3.

Rock Crushing Plant—Fort William, Ont.—Quinn Stone & Ore Co. Ltd., 2 story, 100 x 200 ft., rein.-con., concrete foundation, and tramways for elevating cars of stone, incl. modern rock crushing machinery, to Barnett & McQueen Co. Ltd., Fort William. Archts. est. $150,000.

Lighting System—Vancouver, B. C.—City will construct 181 one light concrete standards, and 75,000 ft. 2,500 volt cable on various streets, by day labor. $50,000. C. H. Fletcher, city engr.

Materials

Proposed Work

Portland Cement — Milwaukee, Wis. — Central Bd. Purchases, J. W. Nicholson, ch. buyer, rejected bids Jan. 24, 20,000 bbl. portland cement. Will readvertise.

Pipe, etc.—Turlock, Calif.—A. P. Ferguson, city clk., plans purchasing 400 ft. 8 in. and 1,500 ft. 6 in. Matheson joint pipe, asphaltum dipped or its equal, or Class "B" bell and spigot, asphalt dipped pipe c.i. pipe. H. Hall, city engr.

Bids Desired

Fabricated Structural Steel—Phila., Pa.—Feb. 15, by C. E. Walsh, purch. agt., Pennsylvania R.R. Co., Broad St. Sta., A. C. Shand, ch. engr., fabricated srtuctural steel for bridges, Contr. 24-1927.

Steel, Brick, etc.—Williamsport, Pa.—H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O., in market steel work, brick, etc., for 4 story and basement, 66 x 100 ft., rein.-con., brick and steel business building, Pine St., for J. B. Nutt and G. B. Klump, 430 Pine St., H. P. Haskins, 426 Pine St., and A. F. Hardt, 414 Pine St.

Cable and Lighting Standards—Cleveland, O.—Feb. 18, by City, A. K. Hoare, comr. Purchase, 6,000 ft. 4/0 stranded 6/32 in. x 6/32 in. paper insulated lead covered cable; and 60 ornamental parkway lighting standards.

Stone, Oil, etc.—Cleveland, O.—Feb. 18, by City, A. K. Hoare, comr. Purchases, 300,000 gal. fuel oil, 1,500 tons abphalt cement, 750 tons asphalt dust, 7,500 tons binder stone, 7,500 tons Medina stone 7,500 bbl. portland cement, 15,000 bags Lumnite cement, 200 tons paving pitch, 1,200 tons asphalt filler, 5,000 tons Kold patch mix, 100,000 sq.yd. surface treating and 200,000 gal. road oil.

Cedar Poles—Detroit, Mich.—Feb. 18, by Dept. Purchases & Supplies, Marquette Bldg., one thousand one hundred 40 ft. red cedar poles, furnishing f.o.b. Detroit, for Pub. Lighting Comm., 176 East Atwater St.

Creosoted Blocks—Chicago, Ill.—Feb. 14, by City, Room 400 City Hall, creosoted wood blocks required by Bureau of Streets during 1927, f.o.b. cars at 15th Pl. and Ashland Ave. A. A. Sprague, comr. Pub. Wks.

Gravel, etc.—Chicago, Ill.—Feb. 14, by City, Room 406, City Hall, gravel required by Bureau Streets during 1927. A. A Sprague, comr. Pub. Wks.

Reinforcing, Entrance, Culvert Pipe, etc.—Adel, Ia. — Feb. 15, at office Auditor Dallas Co., 50 tons reinforcing 4,000 ft. entrance culvert pipe, and 1,700 ft. roadway culvert pipe. E. L. Kaser, Adel, co. engr.

Culvert Pipe—Denison, Ia.—Feb. 18, at office Auditor Crawford Co., 5,976 ft. culvert pipe. W. J. Wearmouth, Denison, co. engr.

Cedar Ties—Detroit, Mich.—Feb. 17, by W. H. Breiden, acting purch. agt. Dept. Street Railways, St. Jean & Shoemaker Aves., 12,000 No. 1, 8 ft. cedar ties, f.o.b. Detroit.

Paving Brick—Detroit, Mich.—Feb. 16, by W. H. Breiden, acting purch. agt. for Dept. Street Railways, St. Jean and Shoemaker Aves., 200,000 paving brick.

Paving Materials—St. Paul, Minn.—Feb. 15, by A. E. Eggert, city purch. agt., 550 sq.yd. 3 in., and 250 sq.yd. 2½ in. vertical fibre paving brick; 800 sq.yd. sandstone paving blocks; 350 tons binder stone; 700 tons wearing course; 350 tons limestone or dolomite dust; 1,000 cu.yd. fine asphalt sand, etc. G. M. Shepard, city engr.

Brick Machinery, etc.—Colombo, Ceylon—J. Matthews, c/o J. C. Gammon, Ltd., P. O. Box 275, prices and catalogs on machinery and equipment for manufacture of sand, lime, brick, approximately 20,000 daily output to commence.

Contracts Awarded

Trackwork—Boston, Mass.—City, Transit Dept., 1 Beacon St., special trackwork for Dorchester Rapid Transit, freight prepaid f.o.b. cars Walworth Siding East 1st and O Sts., South Boston, to Barbour Stockwell Co., 205 Bway., Cambridge, $12,000; and to W. Wharton, Jr. Co., Easton, Pa., $40,000. Noted Jan. 20.

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See proposal advertising on page 151

Engineering News-Record Unit Prices

ROAD WORK—MASSACHUSETTS

Bids were opened by Department of Public Works, Division of Highways, Boston, Dec. 14, (lowest three) for constructing roads in Russell and Westfield, from (A) St. (awarded contract); (B) McAlonan Bros.; (C) McCourt Construction Co.; (D) Shullo & DeLuca Construction Co. The unit bids are as follows:

	A	B	C
15,200 cu.yd. roadway earth excavation	$0.75	$0.95	$1.00
50 cu.yd. ledge excavation	3.00	3.00	6.00
800 cu.yd. borrow	1.00	1.00	1.50
175 cu.yd. plain concrete masonry	22.00	25.00	25.00
24 cu.yd. reinforced concrete masonry	35.00	30.00	30.00
14,600 ton broken stone	2.30	2.50	2.43
142,000 gal. bituminous material asphalt	.145	.16	.14
860 lin.ft. 10 in. pipe vit. clay	.85	1.35	1.10
3,200 lin.ft. 12 in. pipe vit. clay	.85	1.35	1.30
2,110 lin.ft. 15 in. pipe vit. clay	1.15	1.50	1.50
900 lin.ft. 18 in. pipe vit. clay	2.00	3.00	2.50
10 lin.ft. 4 in. pipe vit. clay	.70	1.00	.80
260 lin.ft. 6 in. pipe vit. clay	.70	1.00	.80
2,400 lin.ft. fencing	.55	.65	.60
13,200 cu.yd. stone filling	3.00	2.50	2.85
16 bounds	5.00	5.00	5.00
40 catch basins	75.00	75.00	80.00
630 cu.yd. rip rap	3.00	3.00	3.50
350 lin.ft. 6 in. side drains	1.75	2.00	2.00
40 removal trees	10.00	10.00	20.00
10,600 cu.yd. gravel borrow	1.00	1.10	1.25
700 cu.yd. sand borrow	1.50	2.00	1.50
1,100 cu.yd. stripping gravel pits	.20	.20	.20
30 manholes	85.00	75.00	90.00
51 rem. and reset bounds	5.00	10.00	5.00
34,000 lin.ft. ref. and trim shoulders	.05	.05	.05
1,000 lin.ft. cobble stone edging	.30	.35	.50
1,400 sq.ft. rod	.15	.20	.04
50 sq.yd. loam	2.00	2.25	5.00
3,350 lin.ft. fen. rem. and reset	.15	.35	.25
10 cu.yd. rip rap exc. and relaid	3.00	3.00	3.50
550 lin.ft. 12 in. rein. con. pipe	2.00	2.25	2.10
350 lin.ft. 15 in. rein. con. pipe	2.25	2.70	2.85
290 lin.ft. 24 in. rein. con. pipe	3.50	5.00	5.00
940 lin.ft. 10 in. cast iron pipe	3.00	3.50	3.65
32 lin.ft. 12 in. cast iron pipe	3.25	4.00	3.65
84 lin.ft. 16 in. cast iron pipe	4.50	5.00	5.00
100 lin.ft. 10 in. corr. iron pipe	1.75	2.00	2.25
160 lin.ft. 12 in. corr. iron pipe	1.75	2.25	2.50
72 lin.ft. 16 in. corr. iron pipe	2.50	2.70	2.75
50 sq.yd. scarifying and reshaping	.20	.25	.25
Extended totals	$150,267	$159,793	$163,796

BRIDGE—VIRGINIA

Bids were opened by State Highway Commission, Richmond, Dec. 29, (lowest three) for bridge over Nottoway River in Dinwiddie and Brunswick Counties, Project F-455-B, from (A) Hagedorn Construction Co., Greensboro, N. C., (awarded contract); (B) E. T. Gresham Co., Inc., Box 137, Norfolk; (C) J. S. Bowers, Whiteville, N. C. The unit bids are as follows:

	A	B	C
Superstructure			
558.1 cu.yd. class "A" concrete	$26.50	$28.00	$29.00
140,230 lb. reinf. steel	.05	.054	.055
Steel bearings (lump sum)	800.00	1,200.00	980.00
Substructure			
274 cu.yd. class "A" concrete	32.50	28.00	29.00
21,820 lb. reinf. steel	.05	.054	.055
222.5 cu.yd. wet excav.	4.00	6.00	4.00
286.3 cu.yd. dry excav.	1.00	1.25	1.00
Extended totals	$37,151	$38,437	$38,720

SEWER—AKRON, OHIO

Bids were opened by W. P. Peters, Dir. Pub. Serv., Jan. 13, for constructing Willow Run trunk sewer, from (A) T. E. McShaffrey Construction Co., 173 South Forge St.; (B) McAlonan Bros.; (C) McCourt Construction Co.; (D) Shullo & DeLuca Construction Co. The unit bids are as follows:

	A	B	C	D
20 lin.ft. 42 in. brick sewer	$20.00	$30.00	$45.00	$28.00
4,400 lin.ft. 60 in. brick sewer	38.50	42.00	45.00	68.00
1 junction chamber	1,200.00	1,000.00	1,000.00	2,000.00
2 manholes (std.) on brick sewer	125.00	200.00	150.00	125.00
11 manholes (drop) on brick sewer	150.00	220.00	200.00	150.00
300 lin.ft. 8 in. vit. pipe sewer	4.00	4.00	5.00	4.25
10 lin.ft. 10 in. vit. pipe sewer	4.50	5.00	5.00	4.40
15 lin.ft. 12 in. vit. pipe sewer	4.50	6.00	5.00	6.00
40 lin.ft. 18 in vit. pipe sewer	6.00	7.00	8.00	8.00
20 lin.ft. 20 in. vit. pipe sewer	6.50	10.00	8.00	10.00
3 manholes (std.) on pipe sewer	100.00	200.00	150.00	100.00
1 manhole (drop) on pipe sewer	125.00	220.00	200.00	125.00
100 6 in. stubs or slants	1.00	2.00	1.00	2.00
1,300 lin.ft. 6 in. vit. pipe	1.00	1.50	2.00	1.50
150 6 in. vit. pipe bends	1.00	2.00	1.00	2.00
4,420 lin.ft. 8 in. underdrain, complete	.25	1.00	1.00	1.00
1,000 cu.yd. gravel refill	2.50	3.00	3.00	4.00
13,000 lin.ft. piles	1.00	.50	1.00	1.50
500 M.B.M. sheeting left in place	30.00	30.00	40.00	50.00
10 cu.yd. special excavation	3.50	3.00	4.00	5.00
60,000 lb. reinforcing steel	.05	.05	.06	.10
750 cu.yd. concrete masonry, class 1	12.00	15.00	15.00	20.00
750 cu.yd. concrete masonry, class 3	9.00	12.00	10.00	14.00
100 cu.yd. brick masonry	25.00	20.00	14.00	15.00
Cost of sewer	229,447	248,510	272,215	394,434
Cost of eng., inspection, etc.	6,374	6,374	6,374	6,374
Extended totals	$235,821	$254,884	$278,589	$400,808

TUNNEL—CHATTANOOGA, TENN.

Bids were opened by Hamilton Co., Jan. 11, (lowest three) for constructing Mission Ridge Tunnel, from (A) M. P. Smith Construction Co., Knoxville, (awarded contract); (B) Dempster Construction Co., Knoxville; (C) W. W. Boxley & Co., Roanoke, Va. The unit bids are as follows.

	A	B	C
35,884 cu.yd. single 36 ft. tunnel unclassified exc	$5.00	$4.90	$4.30
8,043 lin.ft. 35 ft. 9 in. course brick ring	32.50	25.00	
8,043 lin.ft. 35 ft. concrete 41 in. thick		25.00	18.00
1,904 lin.ft. bench walls	17.50	24.00	18.00
200 MBM ft. timber in 36 ft. tunnel	100.00	125.00	90.00
31,292 cu.yd. double 20 ft. tunnel unclassified exc	3.95	4.15	4.50
5,400 lin.ft. 20 ft. 6 course brick ring	32.50	20.00	
5,400 lin.ft. 20 ft. 27 in. concrete ring	19.00	20.00	18.50
3,140 lin.ft. class "A" bench walls	17.50	19.00	18.50
200 MBM ft. double 20 ft. twin tunnel timber	100.00	100.00	85.00
27,000 cu.yd. outside roadway excav. unclass.	.62	.70	.80
1,000 cu.yd. borrow—unclassified	.45	.60	.80
350 lin.ft. 24 in. T.S. vit. pipe	3.50	4.00	5.00
200 lin.ft. 18 in. T.S. vit. pipe	2.15	3.15	3.30
600 lin.ft. 4 in. vit. pipe drain	.40	.25	.25
100 lin.ft. rubble drains	16.00	12.00	10.00
900 sq.ft. class "A" concrete pavement	15.00	13.50	16.50
345 lin.ft. class "A" curb and gutter	24.00	15.00	18.00
2,400 lin.ft. guard rail in place	1.50	1.00	1.60
Eenteded totals—single 36 ft. tunnel	$521,357	$495,678	$377,397
Extended totals—twin 20 ft. tunnel	328,373	338,597	314,854
Extended totals—single 36 ft. tunnel and roads	540,202	517,208	402,207
Extended totals—twin 20 ft. tunnels and roads	347,218	360,127	366,664

*Awarded Contract

SEWER—PHILADELPHIA, PENN.

Bids were opened by Department of Public Works, Bureau of Engineering, Jan. 19, for constructing main sewer in Mansfield Ave., from (A) Joseph and Robert Lombardi, Lincoln Bldg., (awarded contract); (B) Ryan Construction Co., Real Estate Trust Bldg.; (C) Municipal Contracting Co., Washington Sq. Bldg. The unit bids are as follows:,

	A	B	C
14,000 cu.yd. excavation, without class, above plan depth	$2.25	$2.15	$2.50
400 cu.yd. excavation, without class, below plan depth	1.00	1.00	3.00
2,300 lin.ft. 8x7 ft. 6 in. reinforced, concrete sewer	31.00	32.50	31.00
730 lin.ft. 7 ft. 6 in. x 7 ft. 6 in. reinforced concrete sewer	24.00	32.00	28.00
25 lin.ft. 3 ft. 6 in. diam. brick sewer in reduced cradle	15.00	13.50	10.75
25 lin.ft. 3 ft. diam. brick sewer in reduced cradle with vitrified shale brick invert	13.00	12.00	12.50
25 lin. ft. 3 ft. diam. brick sewer in reduced cradle	12.00	12.00	12.00
35 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. brick sewer in hard rock with vitrified shale brick invert	5.00	5.00	15.00
55 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. brick sewer in reduced cradle	8.00	11.00	15.00
50 lin.ft. 2 ft. 6 in. x 1 ft. 8 in. brick sewer in reduced cradle with vitrified shale brick invert	7.00	8.50	10.50
100 lin.ft. 2 ft. 6 in. x 1 ft. 8 in. brick sewer in hard rock	4.00	4.00	12.00
50 lin.ft. 2 ft. 6 in. x 1 ft. 8 in. brick sewer in hard rock with vitrified shale brick invert	4.00	4.00	13.00
360 lin.ft. 2 ft. 6 in. x 1 ft. 8 in. brick sewer in reduced cradle	7.00	8.50	14.00
60 lin.ft. 24 in. vitrified pipe in concrete	5.00	9.00	7.00
24 lin.ft. 18 in. vitrified pipe not in concrete	3.00	3.00	4.00
14 lin.ft. 12 in. vitrified pipe not in concrete	2.00	2.00	3.00
10 brick manholes	100.00	165.00	100.00
10,000 ft. b.m. sheathing and shoring lumber ordered left in place	20.00	40.00	75.00
400 cu.yd. additional concrete with embedded stones	5.00	6.00	7.00
Extended totals	$129,405	$139,503	$139,894

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